



KERALA AGRICULTURAL UNIVERSITY
CARDAMOM RESEARCH STATION, PAMPADUMPARA
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CRSP(2)-1224/22

Date: 07.11.2022

TENDER NOTICE

Sealed tenders on competitive basis are invited for the supply and installation of “**Trinocular compound microscope with integrated digital camera**” according to the specifications, terms and conditions detailed below.

SPECIFICATIONS:

Trinocular Compound Microscope with Integrated Digital camera

- Ergonomically designed rugged and sturdy stand preferably with international standard certification.
- It should have low positioned co-axial coarse and fine focus knobs Integrated Carrying Handle at the back.
- Microscope should have High power 3W LED illumination for high demanding illumination needs. Also it should have convert in facility to use 6V/30W halogen illumination for Specific application with Special skin-friendly material coated on all operating elements.
- 30deg. Trinocular tube. Interpapillary adjustment from 55 to 75 mm or better.
- Sidentopf designed Binocular tube with swiveling for comfortable two position height observations. Wide field 10x/ 20mmFOV mm or more with focusable front lens with provision to insert graticules including rubber eyecups.
- Microscope should have Light Manager to control light intensity between objectives.
- Microscope should Eco Mode(automatically goes to standby after being idle for 30 minutes).
- Microscope should have 5X revolving nosepiece with precision click stops to accommodate 5 objectives.
- I Plan 4x/0.12NA, I plan 10X/0.25NA, I Plan 40x/0.65NA and I Plan 100xOil/1.25NA. It should have Condenser0.9 to 1.25NA.
- All the objectives should be of Anti-fungal treated.

- Dual layered mechanical stage with hardcore anodized surface with 1850x135mm or better with XY movement of 75x50mm with low positioned co-axial X Y movement knobs with friction adjustment mechanism.

Integrated Microscopy camera

- Should be supplied with 8MP, Ultra HD 4K resolution camera Exposure time .06 mS to 1S.
- Frame Rate should be 30fps or better
- Should have HDMI, USB3, MicroSD and Ethernet Interface. It should have passing cooling system.
- Camera should have Active denoising, active sharpening and HDR Image enhancement Functions
- Camera should have settings such as white balance, exposure time, and image enhancement functions are to be done automatically. (Without additional imaging software or a computer).
- 0.5 X c mount should have supplied with camera
- Should be supplied with Measurement Software capable to do measurement, area, diameter and Z stacking etc.
- **Microscope , camera and software from the same manufacturer**
- **Warranty: minimum three years.**
- **Last date for accepting tenders : 24th November 2022, 02.00 PM**

TERMS AND CONDITIONS:

1. The tender form may be downloaded from the following web link in the internet. www.kau.in/tenders. The cost of tender form is Rs.0.20% of the cost of tender (rounded to nearest 100/-, minimum Rs.400/- and a maximum of Rs.1500 + GST as applicable). A DD for the amount drawn in favour of The Professor and Head, CRS, Pampadumpara, payable at SBI Nedumkandam should be enclosed along with the tender submitted.
2. Earnest Money Deposit (EMD) @ 1% of the cost of items offered may be remitted by a separate DD drawn as detailed above. Firms who are exempted from payment of EMD should furnish copy of the currently valid certificate from the Store Purchase Department, Govt. of Kerala. The format can be downloaded from the above website.
3. The tender should be accompanied by an agreement in Kerala Stamp" Paper worth Rs.200/- (Rupees Two Hundred only) and format can be downloaded from the above website.
4. Successful tenderers will have to execute an agreement on Kerala Stamp paper for

Rs.200/- and remit security deposit @ 5% of the tender amount accepted by means of DD. Form of agreement can be downloaded from the website <http://www.kau.in/tenders> under the Related Documents section.

5. The exact specification, details of made, model, name of manufacturer, warranty details etc., of the item must be clearly specified.
6. **The supplier should be an Authorized dealer & service should be provided from Kerala.**
7. The tender should be in the sealed cover and to reach the undersigned on or before **24.11.2022 at 2.00 pm**. Tenders received late or incomplete in any respect will be summarily rejected without notice and the decision of the undersigned on such matters will be final.
8. The tenders will be opened at **2.30 pm** on the same day in the presence of those who are present at that time. The lowest rate will be accepted if reasonable.
9. The sealed cover containing the tender documents should be superscribed "**Tender for the supply and installation of Trinocular Compound Microscope with integrated digital camera**" and sent to The Professor and Head, CRS, Pampadumpara, PIN 685 553
10. The rate quoted should be inclusive of all charges including GST, if any and also connected expenses, if any.
11. The item should be supplied within 3 weeks from the date of receipt of supply order.
12. The supplier should give the details of the nearest service center and response time. Complete descriptions specifications and make of the good should be given in the quotations. Leaflets/brochures/catalogue of the equipments describing its features, application/specification etc. should be provided along with the tender.
13. Details of warranty after sale service offered on expiry of normal warranty period, available should be mentioned.
14. CMC/AMC of equipment after the warranty/Guarantee term is over the firm should mention the charges of CMC/AMC at least for the first three years from the principal.
15. The payment will be through invoice/credit bill system and by cheque only.
16. The decision of the Professor and Head, CRS, Pampadumpara will be final and abiding.
17. The undersigned reserves the authority to accept or reject any or all the tenders without assigning any reason.
18. All rules and regulations applicable to Government tenders will be applicable to this tender also.

Copy to : KAU website/ Notice board



Professor and Head

*Professor & Head
Cardamom Research Station
Pampadumpara, Idukki Dist*