

KERALA AGRICULTURAL UNIVERSITY

No. Pl. Phy. (62) 631 /2021

Dept of Plant Physiology
College of Agriculture,
Vellayani, Dated: 10.05.2021

TENDER NOTICE

Sealed competitive tenders care invited for the supply of a phase contract microscope with camera (specification attached)

Sl. No.	Name of the equipment	Specification	Tender cost
1.	Phase contract microscope with camera	Specification attached	(0.20%) of the quoted amount rounded the nearest multiple of Rs.100/- subjected to a minimum of Rs.400/- and maximum of Rs. 1500/- + GST

Tender forms can be down loaded from the KAU Website (www.kau.edu/tenders). On submitting the tender form, cost of the tender form as mentioned above may be drawn by DD in favour of Associate Director of Research, RARS(SZ), College of Agriculture, Vellayani 695522 Payable at SBI, Vellayani, Trivandrum should be enclosed.

EMD @ 1% of the quoted amount should be enclosed as separate DD drawn at the same address along with an agreement executed in Kerala Stamp paper worth Rs.200/- with the tender. **The name of the equipment for which the rate is quoted, notification number and date of opening of tender should be written on top of the envelope.** Sealed tenders addressed to the Associate Director of Research, RARS(SZ), College of Agriculture, Vellayani, T.V.P.M-695522 should reach this office on or before 10.00a.m. On 31.08.2021. Tenders received after the stipulated date and time will not be accepted under any circumstances. Tenders will be opened at 1.00p.m. On 31.08.2021 in the presence of the tenderers or their authorized representatives.

All the terms and conditions prescribed for Govt. tenders as amended from time to time are applicable in this case also. The undersigned has the right to accept or reject any or all tenders without assigning any reason thereof.

Further details can be had from the office of RARS (SZ), College of Agriculture, Vellayani 695522 during office hours between 10.00A.M. and 5.00P.M. in Ph.No.9447586674 and also through KAU website (www.kau.edu/tenders).

Sd/-
Professor (PI of the project)

To
Website (www.kau.edu/tenders)

Copy to:

1. Notice Board, College office
2. Panchayath office, Kalliyor
3. Village office, Kalliyoor
4. KrishiBhavan, Kalliyoor
5. KAUWebsite(www.kau.in>tenders)

Terms and Conditions

1. The tender form may be downloaded from the following link in the internet www.kau.in/tenders.
2. The cost of tender from GST and EMD will be accepted by way of separate DDs in favour of Associate Director, Regional Agricultural Research station, Vellayani.
3. Earnest Money Deposit: An EMD (1% of the amount quoted) should be remitted by separate DD drawn in favour of “Associate Director, Regional Agricultural Research station (South Zone), College of Agriculture, Vellayani.
4. The tender should be accompanied by an agreement in Kerala stamp paper worth Rs.200/- (Rupees Two hundred only) in the format that can be downloaded from the website www.kau.in/tenders
5. The sealed cover containing the tender documents should be super scribed as “Tender for Phase contract microscope with camera” at RARS (South Zone) Vellayani. The cover should contain the DDs for tender cost, GST, EMD and the Agreement as mentioned above.
6. The successful tenders should execute and agreement in Kerala stamp paper worth Rs.200/-(Rupees Two hundred only) and furnish a security deposit of 5% of cost of the rate quoted in the form of term deposit/bank guarantee/demand draft drawn in favour of Associate Director, Regional Agricultural Research Station (South Zone), College of Agriculture, Vellayani. Thiruvananthapuram Pin-695 522, payable at the State Bank of India, Vellayani (IFSC: SBIN0070019), When directed from this office.
7. The rate quoted, tax and other charges if any should be separately stated
8. The Associated Director has the right to accept or reject any or all of the offers without assigning any reason
9. The successful Tender shall initiate the work/supply the item within one week of award and should finish the supply within one month
10. If any hartal/strike/any unexpected holiday occurs on the date of opening of tender, the tender will be opened at the same time on the next working day
11. All the rules and regulation applicable to government tender will be applicable to this tender also

SPECIFICATIONS

Trinocular Microscope with Digital camera

- The microscope should have a built-in stabilized power supply for 24V/60W illuminator with mains connection to 110-240V, 50/60Hz.
- Microscope Should have High power 3W LED illumination for high demanding illumination needs.
- Special skin-friendly material coated on all operating elements 30deg.
- Wide field 10x / 22mmFOV mm or more with focusable front lens with provision to insert graticules including rubber eyecups.
- Microscope should have Snap button for capturing images without computer
- 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 ϕ H1, I Plan 20X/0.4NAPH2, I Plan 40x/0.65NA ϕ H2 and I Plan 100xOil/1.25NA ϕ H3.
- Should have Condenser 0.9 to 1.25NA with modular disk for Bright filed , darkfiled , ϕ H1, ϕ H2, ϕ H3 attachment
- 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.

Digital Microscopy camera

- Should be supplied with 8MP , Ultra HD 4K resolution camera
- Exposure time .06mS to 1S.
- Should have HDMI,USB3, microSD and Ethernet Interface
- 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 automatically.
- Should be Supplied with Measurement Software capable to do measurement , area , diameter and Z stacking etc.
- Branded Computer i5 processor, 8GB ram, 1TB HDD, 2GB graphics, Win 10Pro, 22" Full HD IPS Monitor
- Warranty 5 years