

**KERALA AGRICULTURAL UNIVERSITY**  
**College of Agriculture, K.A.U. P.O., Thrissur, Kerala – 680656**

No.Physiol/4-7/2022-23-UV-VIS

25.01.2023

**TENDER NOTICE**

Sealed tenders are invited in the prescribed form from competent firms/persons for the supply of the following equipment/machinery addressed to “Assistant Professor and Head, Department of Plant Physiology, College of Agriculture, Vellanikkara, KAU PO, Thrissur-680656” with specifications as detailed below:-

| Sl. No. | Name of the item                        | Specifications   |
|---------|---|--|
| 1.      | UV Visible Spectrophotometer<br>(1 no.) | <ul style="list-style-type: none"> <li>• Light Source: Xenon flash lamp 3 Years Warranty</li> <li>• Silicon photodiode detectors, dual type</li> <li>• Wavelength Measurement Range: 190 – 1100 nm or better</li> <li>• Wavelength Accuracy: <math>\pm 0.5</math> nm or better</li> <li>• Wavelength Repeatability: <math>&lt; \pm 0.2</math> nm</li> <li>• Data interval when scanning: 0.2, 0.5, 1, 2, 5 nm</li> <li>• Scan speeds: All types- Slow, Medium &amp; Fast possible</li> <li>• Maximum scan speed: 1600 nm/min</li> <li>• Photometric Display Range: -3A to +5 A</li> <li>• Photometric Linear Range: -2A to +3.5 A</li> <li>• Photometric accuracy: <math>\pm 0.002A</math> at 0.5A. <math>\pm 0.004A</math> at 1A. <math>\pm 0.008A</math> at 2A</li> <li>• Spectral bandwidth: 2 nm</li> <li>• Noise: <math>\leq 0.0002A</math> at 0A; <math>\leq 0.0003A</math> at 1A; <math>\leq 0.0004A</math> at 2A @ 260nm and 500nm</li> <li>• Drift: Less than 0.0005 A/hr</li> <li>• Stray light: Less than 1.0% T</li> <li>• Baseline Flatness: Less than 0.002 A</li> <li>• Display: High Definition Color Touch panel display</li> <li>• Path length: Able to accommodate cells up to 100 mm</li> <li>• Compatibility: With automated cell changers, Peltier, sipper and fiber optic probe accessory options</li> <li>• Connectivity: Single and Duplex USB-A supports connection to a Windows computer running optional remote control software, keyboard, mouse.</li> <li>• Stabiliser: A compatible stabiliser that protects the instrument.</li> <li>• Warranty: 3 Years</li> <li>• Provide quote for AMC &amp; CMC for additional 3 years</li> <li>• The supplier should have service facility at Kerala, Service centre address to be furnished.</li> <li>• Vendor should provide at least 5 user list along with performance certificate of equivalent quoted model in Kerala.</li> </ul> |

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|  |  | <p>Details of Interface, dimensions, power requirement (230 V preferable) and consumption, system memory capacity, calibration, USB ports and other relevant information to be specified. Accessories may be quoted separately.</p> <p>The quote for the item specified above should clearly be inclusive of the charges for the supply, packing &amp; forwarding, transit-insurance and freight to site, installation, testing and commissioning, dismantling/reinstallation, labour charges, etc if any. Prices quoted for the item is to be on-site basis and also be inclusive of basic price, excise duty and other taxes. Any excluded works and services in the quote is to be specified separately. Excise duty, Tax, Insurance, Warranty period, delivery time and Terms of payment are also to be specified.</p> |
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**Last date of receipt of Tender** : **09-February-2023 at 11:00 AM**  
**Opening of Tender** : **09-February-2023 at 2:30 PM**

### Terms and Conditions

1. Tender form

The tender form may be downloaded from the Related Documents section in the following web link in the internet <http://www.kau.edu/tenders>. The cost of tender form will be accepted by way of DD in favour of the **Dean, College of Agriculture, Vellanikkara at SBI, Vellanikkara** and should be enclosed along with Tender. The tender cost should be specified, while submitting the tender. The cost of Tender form is as follows:-

### Cost of Tender Forms

| Particulars   | Cost (Rs.)   |
|---|--|
| Supplies costing above Rs. 1,00,000/- upto Rs. 5,00,000/- | 0.2 % of cost of tender rounded to the nearest multiple of 100, subject to a minimum of Rs.400/- and maximum of Rs. 1500/- |

2. Tenders shall be accompanied by Tender fee, GST and Earnest Money Deposit of 1.0 % of the total rupee equivalent cost of the quoted items (subject to minimum of Rs. 1500/-) by way of 3 crossed Demand Draft separately for GST, EMD and tender fee in favour of **The Dean, College of Agriculture, Vellanikkara** drawn on the State Bank of India, KAU Campus (Branch Code 70670). Cheques will not be accepted. While calculating the total offer amount for items where alternate options have been given, the cost of the costliest option alone need be considered. Where quantity requirements have not been specified in the Tender Notice, the cost of one unit may be reckoned for arriving at the EMD amount.
1. The sealed cover containing the tender documents should be super scribed as **“Tender for Equipments as per tender No.Physiol/4-7/2022-23-UV-VIS dt 25-01-2023”** and should be addressed to **“Assistant Professor and Head, Department of Plant Physiology, College of Agriculture, Vellanikkara, KAU PO, Thrissur-680656”**.
  2. Tender shall be accompanied by an agreement as per format appended, executed on Kerala Stamp paper of face value Rs. 200/-. The format of the agreement is available for

download from the Related Documents section in the following web link in the internet <http://www.kau.edu/tenders>.

3. Late and incomplete tenders and tenders without EMD and agreement in Kerala stamp paper will not be accepted.
4. Firms who are exempted from payment of EMD should furnish copy of the currently valid certificate from the Store Purchase Department, Govt. of Kerala.
5. Selected firms will have to furnish a security deposit of 5% of the order value and execute another agreement in Kerala stamp paper worth Rs. 200/-. Security deposit will be accepted in the form of DD, Term Deposit Receipt or Bank Guarantee favouring **Dean, College of Agriculture, Vellanikkara**.
6. The cost of the item, tax and other charges should be separately stated for each item. The items should be supplied at our premises.
7. Offers shall be made on CIF Kochi by airfreight for imported instruments and FOR destination for indigenous items. For imported items, charges for insuring up to final inland destination against all risks including total loss for CIF value plus 10% should be included in the insurance charge. Installation and demonstration charges may be indicated separately where applicable.
8. The exact specifications, details of make, model number, name of manufacturer etc., of the equipment offered must be clearly specified. Copies of detailed technical literature and illustrated brochures of the units quoted are to be included along with the offer. Offers without these are liable to be rejected. List of users giving the exact address of the contact persons and the model number of the units available at these locations have to be provided.
9. Instrument operating manuals have to be provided along with the supply.
10. Details of warranty offered should be clearly stated in the tender. Details of maintenance service contract offered after expiry of normal warranty and after-sales-service facilities available should be indicated.
11. Evidence of exclusive/authorized distributorship from foreign principals should be provided along with the offers for overseas products.
12. If 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.
13. Period of firmness of the quoted prices should be clearly stated in the offer.
14. The undersigned reserves the authority to accept or reject any or all of the offers for any particular item without assigning any reason whatsoever.

All the rules and regulation applicable to Government Tenders will be applicable to this tender also.

Sd/-

The Assistant Professor and Head,  
Department of Plant Physiology  
College of Agriculture, Vellanikkara  
Kerala Agricultural University, Thrissur