



**KERALA AGRICULTURAL UNIVERSITY**  
**Cocoa Research Centre**  
**Vellanikkara, Thrissur – 680 656.**

**Phone: 0487-2438451**

**Email: ccrp@kau.in**

**No. CRC/CCRP-1/2024-2025**

**Dated 27-09-2024**

**Re-Tender Notice**

Sealed competitive tenders are invited for the supply of equipment  
(Specification attached)

Sl. No.	Equipment	Cost of tender form (Rs.)
1	Quantum Sensor with logger (1 No.)	0.2% of the cost of tender rounded to the nearest multiple of 100, subject to a minimum of 400/- and maximum 1500/- + GST as applicable

Tender forms can be down loaded from KAU website ([www.kau.edu/tenders](http://www.kau.edu/tenders)). On submitting the tender form, the cost of the tender form as mentioned above may be drawn by DD in favour of “**The Professor and Head, Cocoa Research Centre, Vellanikkara, KAU P.O, Thrissur - 680 656**” payable at **State Bank of India, KAU branch, Vellanikkara, Thrissur** should be enclosed.

**EMD @ 1% of the quoted amount** should be as separate DD drawn at the same address along with an agreement executed in Kerala stamp paper worth **Rs.200/-** should be enclosed 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 the top of the envelope. Sealed tenders addressed to “**The Professor and Head, Cocoa Research Centre, Vellanikkara, KAU P.O, Thrissur - 680 656**” should reach this office on or before **2.00 pm on 14/10/2024 (Monday)** and will be opened at 3.00 pm on the same day in the presence of such of the tenderers or their authorized representatives. The tenders received after the stipulated date and time will not be accepted in any circumstances.

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

Further details can be had from the under signed during the office hours between 10.00 am and 5.00 pm (**9496751702**) and also through KAU web site.

**Terms and conditions:**

- \* All equipment should have a minimum of two year of manufacturer warranty and three year of AMC from the date of complete installation and not from the date of delivery.
- \* Items should be delivered to “Cocoa Research Centre, KAU, Vellanikkara, Thrissur - 680 656”
- \* The firms or companies quoting the price should have service personals or centers or service support based in Kerala should have quote from manufacturer for the quoted model and the supporting document should be submitted.

- \* The firms or companies quoting the price should submit the brochure for the model from the manufacturer including web link and the country of origin of the equipments.
- \* The price quoted should be inclusive of all taxes, costs for clearance, transportations, loading and unloading etc.
- \* On receipt of purchase order from this office, the tenderer should execute another agreement in **Kerala Stamp Paper worth Rs.200/- (Rupees two hundred only)** and furnish EMD in the form of term deposit/ bank guarantee / demand draft drawn in favour of **“The Professor and Head, Cocoa Research Centre, Vellanikkara, KAU P.O, Thrissur - 680 656”** payable at the State Bank of India, Vellanikkara, Thrissur, KAU branch. The format of the agreement can be downloaded from the KAU website ([www.kau.edu/tenders](http://www.kau.edu/tenders)). Firms who are exempted from payment of EMD should furnish copy of the currently valid certificate from the Store Purchase Department, Govt. of Kerala
- \* All Taxes, duty, freight etc. as applicable may be specified in the tender.
- \* Rates quoted should be valid for a **minimum period of 180 days** from the date of opening the tender.
- \* Users list of the equipment are to be enclosed while submitting the tender
- \* System should have **minimum 1 year warranty and the rates of AMC and CMC for the next 3 years after the warranty period (standard warranty + CMC three year) should be furnished in separate sealed cover addressed to the Professor and Head** before the closing date of the tender.
- \* Delivery: Within **two weeks** from the date of receipt of purchase order.
- \* The equipment should be delivered and installed at the **“Cocoa Research Centre, Vellanikkara, KAU P.O, Thrissur - 680 656”** at your own expenses and any packing, forwarding, freight, loading/unloading/handling or installation charges will be met by the firm.

Sd/-  
**Professor and Head  
Cocoa Research Centre**

**SPECIFICATIONS OF Re-TENDER NOTICE No. CRC/CCRP-1/2024-2025**  
**Dated 27-09-2024**

**Technical Specifications of Line Quantum Sensor with logger**

1. Sensitivity - 0.1 mV per  $\mu\text{mol m}^{-2} \text{s}^{-1}$
2. Measurement Repeatability- Less than 0.5%
3. Field of View - 180°
4. Spectral Range - 370 to 650 nm (wavelengths where response is greater than 50% of maximum)
5. Sensor Dimensions - 616.4 mm length, 13.6 mm height, 16.5 mm width 460 g
6. Mass - 310 g
7. Response Time - Less than 1 ms
8. Cable - 5 m of two conductor, shielded, twisted-pair wire; TPR jacket; pigtail lead wires; stainless steel, M8 connector located 25 cm from sensor head
9. Calibrated Output Range - 0 to 250 mV
10. Operating Environment - 10 to 60 C; 0 to 100 % relative humidity; sensor can be submerged in water up to depths of 30 m

**Logger specifications:**

1. Communications - Logger should have Bluetooth connectivity to operate through mobile, iPad or laptop etc.
2. Bluetooth Range - >30m
3. Operating Environment -30 to 75 C or better
4. Data Logging Capability - Averaging Interval: 1-60 minutes, Sampling Interval:  $\geq 1$  second
5. Data Log Capacity - More than 350,000 Entries (approx. 9 months at a 1-minute logging interval)
6. Battery Life - Approx. 1year w/ 10-second sampling interval and an average of 5 minutes daily connected time
7. Connector Type - M8
8. ADC Resolution- 24 bits

**Sd/-**  
**Professor and Head**  
**Cocoa Research Centre**