



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

No.CRC1/2018/SHM

Date: 10.08.2021

TENDER NOTICE

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

Sl. No.	Equipment	Cost of tender form (Rs.)
1	Electronic balance	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
2	Vertical laminar air flow system without biosafety:	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
3	Vertical laminar air flow system with biosafety	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
4.	Autoclave	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). 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 Rs100/- 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 25/08/2021 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 (**0487-2438451**) and also through KAU web site.

Terms and conditions:

- * All equipments 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 products should be internationally branded and CE certified.
- * 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.100/- (Rupees one hundred only) and furnish a security deposit of 5% of the cost of the equipment quoted 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 above website given in item 1. 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 equipments are to be enclosed while submitting 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 & P.I. of Project**

Specifications for equipments

1. ELECTRONIC BALANCE : Self calibrating precision electronic weighing balance of capacity of 200 mg with a minimum display of 0.1 mg, repeatability of ≤ 0.1 mg and linearity of ± 0.2 mg. The balance should have serial (RS232) and USB interfaces for connectivity.

2. VERTICAL LAMINAR AIR FLOW SYSTEM without Biosafety: Classification: Class 100; Main Filter: Minipleat HEPA, particle retention size: up to 0.3 micron, Efficiency: 99.999%; Prefilter: Particle retention size: up to 10 micron; Work table: SS304; Cabinet: In GI with PU coating; UV light: UV lamp of suitable length; Illumination: FL lamp of suitable length; Switches: on/off for blower UV/,FL; Pressure gauge: Inclined liquid column manometer; Pet cock: SS petcock for air/gas; Working size: 120 x 60 x 60 cm (optional: suitable stabilizer)

3. VERTICAL LAMINAR AIR FLOW SYSTEM with Biosafety: Clean Air Biosafety Cabinet Class II Type B2. 100% contaminated air is exhausted to the atmosphere after HEPA filtrations without recirculating in the cabinet. Double skin PU coated GI/SS 304 construction, Removable working table, waste liquid collection tray, UV resistant PC front door, UV on/off integrated with door close/open, Hour meter for UV Lamp, Microprocessor controller to control and display of all operation with remote control operation, Air balancing: 0% recirculation & 100% exhaust, Working Size: 3' x 2' x 2', Face velocity: 100 FPM, Bio-safety level: 2, 3, With PC front door, Minipleat HEPA filter, built-in exhaust & ducting, Power point, Power cord, leveling jack, Stainless steel work table and with, Magnehelic gauge, **Warranty:** Two years + minimum 3 year AMC.

4. DIGITAL AUTOCLAVE : Vertical- Capacity – 75-100 L, Top loading, temperature range up to 122°C, operating pressure 16/110.3Psi/KPA, Low water detection, Four cycles in 8hr shift with a 30 min cooling period, single lever lock for lid with single hand opening, Microprocessor based PID T⁰ controller with digital LED display for set value & process value, Conformance to National and International Standards, Spring loaded safety valve, Pressure inter lock on door .

Sd/

Professor and Head, & P.I. of the Project