



KERALA AGRICULTURAL UNIVERSITY

Department of Plant Pathology, College of Agriculture

Vellanikkara, Thrissur-680 656, Kerala, India, Email : cohpath@kau.in,

Website: <http://kau.edu.in> , Tel. (0487) 2438302

No. PP/354/2018-19

Dated 14.09.2021

Tender Notice

Sealed and competitive tenders are invited for the supply, installation, demonstration and training of **FULLY AUTOMATIC VERTICAL AUTOCLAVE (100-120 litres)** for sterilization at Biocontrol Laboratory under SHM project of Department of Plant Pathology, College of Agriculture, Vellanikkara as per the specifications and terms & conditions detailed below.

Sl.No.	Description/Specifications		Qty
	Item	Specifications	
1.	FULLY AUTOMATIC VERTICAL AUTOCLAVE (100-120 litres)	<ul style="list-style-type: none">• Capacity 100 - 120 Ltr• With double wall construction and inner outer and carriers corrosion resistant Stainless Steel grade 304• Sheets to be argon welded ground and polished and to be of service free internal• Operating temperature $121 \pm 3^{\circ}\text{C}$• Temperature accuracy $\pm 0.5^{\circ}\text{C}$ at 120°C• Lid, flanges ,fly screw, crosspin ,heater cover stand S.S. 304, outlet valve for cleaning• With temperature calibration function & high temperature and pressure resistant silicon gasket• Should be electrically heated by means of I.S.I. quality immersion heaters with working pressure 15 PSI.• With hydraulically single lever handy-rise open device• Should have CE certified built in analog pressure gauge with 0-400 psi for indicating actual pressure• With two Nos. safety valve and one manual exhaust valve, quick release coupling and handle with heater cover stand• PID Controller must have temperature cum timer display and 0.1o resolution• With Auto Purging & Exhaust (Solenoid Valve), Water level digital , backlit LCD display for all information including process and set value <p>With safety warnings and alarms for</p> <p>(a) A cycle cannot start if the door is open or not properly locked</p> <p>(b) The door cannot unlock until chamber pressure reaches room temperature</p>	1

		<p>(c) If temperature stays below 120°C for more than 5 seconds (d) If temperature does not reach the sterilization temperature during the set points (e) Over pressure cut off with audio visual alarm (f) Over current cut off with audio visual alarm (g) Low water level heater cut off and alarm</p> <ul style="list-style-type: none"> • Maximum Power consumption 3 KW • With end of cycle buzzer and auto reset • With minimum 4 perforated corrosion free baskets made of SS 304 that are stackable two high or even more levels • Provide ISO 13485, IEC 60601 or equivalent BIS certificate • Should be compliant with IEC 61010-1, IEC 61010-2-40 and Chamber design tested as per ASME guide line for safety <p><u>Condition No. 1.</u></p> <p>Warranty 3 years for the entire unit and 3 years Annual maintenance contract with spares/equivalent and should be provided free of cost for the electrical/electronic goods</p> <p><u>Condition No. 2.</u></p> <p>Amount should be inclusive of transportation charges, taxes, installation and necessary electrification charges if needed</p> <p>Please note that bids that fulfills the <u>CONDITION NO. 1 and 2</u> will only be considered.</p>	
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Delivery date of items : Within 20 days of confirmation of tender

Last date for receipt of the tender : At 02.00pm on **24/09/2021**

Date and time of opening of tender : At 03.30pm on **24/09/2021**

Terms and conditions

1. Tender form

The tender form may be downloaded from the following web link in the internet http://www.kau.in/sites/default/files/documents/kau_tender_form.pdf

The cost of tender form and EMD will be accepted **by way of separate DDs** taken in favour of **Dean, College of Agriculture, Kerala Agricultural University Vellanikkara, Thrissur-680 656 and payable at State Bank of India, KAU Branch, Vellanikkara(IFSC -SBIN0070670)** along with tender. The tender cost and GST amount should be specified, while submitting the tender. **Cost of Tender Form: Rs 1500/- + Rs 270/- (18% GST) = Rs 1770/-** (both as separate DD's)

2. Earnest Money Deposit (EMD):

One per cent of the value of the tender for **FULLY AUTOMATIC VERTICAL AUTOCLAVE (100-120 litres)** rounded to the nearest Rupee has to be remitted as EMD along with the tender as separate DD drawn in favour of **Dean, College of Agriculture, Kerala Agricultural University Vellanikkara, Thrissur-680 656 and payable at State Bank of India, KAU Branch, Vellanikkara(IFSC -SBIN0070670)**. The tender should be accompanied by an agreement in Kerala stamp paper worth **Rs 200/-(Rupees Two Hundred Only)** in the prescribed format that can be downloaded from the website, <http://www.kau.in/tenders>

3. The sealed cover containing the tender documents should be superscribed as **“Tender for the Supply and installation of FULLY AUTOMATIC VERTICAL AUTOCLAVE (100-120 litres)”**.

4. The successful tenderer should further execute an agreement in Kerala Stamp paper worth **Rs 200/- (Rupees Two Hundred Only)** and furnish a **Security Deposit** of 5% of cost the item/work quoted in the form of term deposit/bank guarantee/demand draft drawn in favour of **Dean, College of Agriculture, Kerala Agricultural University Vellanikkara, Thrissur-680 656 and payable at State Bank of India, KAU branch, Vellanikkara (IFSC - SBIN0070670)** only when directed from this office. The format of this agreement also can be downloaded from the website, <http://www.kau.in/tenders>

5. The rate quoted should be inclusive of all charges (tax, transportation and installation charge etc.) and should be valid for a minimum period of 1 year w.e.f. the date of tender notice. Successful test run of the **FULLY AUTOMATIC VERTICAL AUTOCLAVE (100-120 litres)** in the Biocontrol Laboratory of SHM project of Department of Plant Pathology should be performed for effecting payment.

6. Institutions under KAU are exempted (registered with DSIR) from payment of customs and excise duty for our procurements and hence prices quoted should be exclusive of these. The cost of the item, tax and other charges should be

separately stated. The institution is eligible for concessional GST at 5% as per rules.

7. The exact specification, details of make, model, name of the manufacturer, name of the country etc. of the item must be clearly specified in the technical literature and brochures of the item have also to be furnished along with the tender.
8. Warranty details, firmness of the quoted price should be clearly stated.
9. Minimum of two years warranty is required as per rules.
10. The Dean, College of Agriculture, Vellanikkara has the right to accept or reject any or all of the offers without assigning any reason.
11. If any Harthal/strike/any unexpected holiday occurs on the date of opening of tender, the tender will be opened on the next working day.
12. All the rules and regulations applicable to Government tender will be applicable to this tender also.

Special Conditions

1. Tenders insisting payment in advance either full or part for releasing the documents through bank are liable for rejection.
2. Leaflets/brochures containing technical features on the different models of the items quoted should be attached with the tender.
3. In the case of electrically operated equipment, the circuit diagram will have to be supplied.
4. Payment will be made after satisfactory installation and demonstration of the working of the equipment. Tenderer is liable to replace the defective articles/rectify the defective item of work within 24 hours on receipt of intimation. Payment will be made only by Cheque.
5. Operation manual and guarantee cards of the equipment wherever required should be supplied along with equipment.
6. The supplier should attach the client list for the equipment along with their performance certificate, spare parts availability and services facilities at or nearest to the concerned station.

Sd/-

Dean