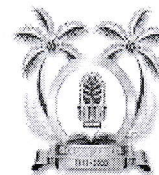




KERALA AGRICULTURAL UNIVERSITY
Regional Agricultural Research Station (SZ), Vellayani
Thiruvananthapuram - 695 522, Kerala
E-mail : adrvellayani@kau.in, Phone No.0471 2383239



No. RARS /SZ(5)/501/2023

Date: 02.02.2023

TENDER NOTICE

Tenders are invited for the supply and installation of following Equipments for Regional Agricultural Research Station (Southern Zone), College of Agriculture, Vellayani, as per the technical specifications and the terms and conditions below:

TECHNICAL SPECIFICATIONS

1. THERMAL CYCLER / PCR MACHINE with 1 KVA UPS – 1 Number

Specifications: Compact thermal cycler with an intuitive touch-screen user interface and thermal gradient technology to quickly optimize reaction in a single run; Sample capacity: 96 x 0.2 ml tubes, 0.2 ml tube strips, or 1 x 96-well plate; reaction volume – 1 to 100 µl, thermal gradient – yes; maximum ramp rate, °C/sec - 4; Average ramp rate, °C/sec - 2.5; temperature range - 4–100°C; gradient accuracy – min. ±0.5°C of programmed temperature target; temperature uniformity - ±0.5°C well-to-well within 30 sec of arrival at target temperature; gradient range - 30–100°C; temperature differential range – 1 to 25°C; heated lid upto 110°C; method of heating/cooling - Peltier; method of temperature monitoring - Calculated & Block; Operating temperature – 15 to 30°C ambient; Input power - 100–150 VAC, 50–60 Hz; 220–240 VAC, 50–60 Hz; 700 W maximum; Display – Intuitive touch screen, easy programming and intuitive interface; 5.7" VGA color touch screen; Port - 1 USB A; Memory – Minimum 500 typical programs; unlimited with USB flash drive expansion; Preferred dimensions (W x D x H) - 26 x 47 x 23 cm (10 x 18 x 9"); Weight – Maximum 9 kg (20 lb); programming - step-based graphical; reporting - exportable run / system logs, instant incubation - yes; organising protocols in personalised folders or USB flash drive. UPS - Minimum 1 KVA nationally / internationally branded UPS compatible to the PCR. The price quoted should be inclusive of minimum two year warranty with 3 year AMC.

2. HORIZONTAL SUBMARINE ELECTROPHORESIS SYSTEM (MINI and WIDE MINI TYPES) – 1 Number

Mini type: Horizontal Electrophoresis System should be able to run the gel size of 7x10 cm with safety lid, sample throughput of 8-30, System should include UV transparent gel tray with integrated fluorescent ruler, System should include tape free gel casting module for leak free operations, System should include casting gates to allow hassle free casting of gels directly in the electrophoresis cells, System should include two 1.5 mm 8- & 15-well fixed height combs, System should have the option for adjustable height combs with comb holders, migration rate of Bromophenol Blue dye should be similar to 4.5 cm/hr (at 75 V), System should have a lock-in design to run precast ready agarose gels.

Wide mini type: horizontal electrophoresis system should be able to run the gel size of 15x10 cm with safety lid with sample throughput of 10-60, System should include UV transparent gel tray with integrated fluorescent ruler, System should include tape free gel casting module for leak free

operations, System should include casting gates to allow hassle free casting of gels directly in the electrophoresis cells, System should include two 1.5mm 15- & 20- well fixed height combs, System should have the option for adjustable height combs with comb holders, Migration rate of Bromophenol Blue dye should be similar to 4.5cm/hr(at 75 V), System should have a lock-in design to run precast ready agarose gels. The price quoted should be inclusive of minimum two year warranty with 3 year AMC.

INSTRUCTIONS TO BIDDERS

- Bid documents including the Bill of Quantities (BoQ) can be downloaded free of cost from the KAU Website www.kau.in/tenderquotation-notice
 - Bidder should be a reputed Original Equipment Manufacturer (OEM) or Authorized dealer of OEM, who is having an Authorization Certificate from the OEM to participate in the tender. Certificate from the OEM for sales and service to be produced.
 - Should have a factory trained service engineer available in Kerala (For the quoted model).
1. Rates quoted should be valid for a minimum period of 3 months from the date of opening the tender.
 2. Tenders not stipulating period of firmness of rates and with price variation clause and/or subject to prior sale condition are liable to be rejected.
 3. The equipment should be delivered and installed at the expenses of the successful bidder.
 4. Rate quoted should be inclusive of all charges such as packing, forwarding, freight, loading/unloading/handling or installation charges and GST, Govt. duties leviable, if any.
 5. The supplier has to make his own arrangement for the ordinary / special tools, machinery, and other consumables required for successful completion of installation and testing.
- **Payment of fee:** Tender submission fee & EMD shall be remitted during the time of tender submission. Exemption of fee if any should be submitted with copies of valid documents.
 - **Documents to be submitted:**
 - 1) Company Data sheets, Brochures & other documents such as relevant technical literatures, drawings, pamphlets containing all the relevant technical specifications of the equipment duly signed by the bidder on each page.
 - 2) Tender form: Each and every pages of the tender form should be attested after reading the conditions provided.
 - 3) Duly filled and signed preliminary agreement of the bid executed in Kerala stamp paper worth Rs.200/-.
 - 4) Bids received without the preliminary agreement will not be considered.
 - 5) Users list of the equipment, if any.
 - 6) Copy of up-to-date GST registration certificate & PAN of the bidder
 - 7) Supporting document regarding service support
 - 8) Authorization certificate if the bidder is a dealer
 - 9) Valid EMD exemption certificate from the Store Purchase Department, Govt. of Kerala, if the firm is exempted from payment of EMD.
 - 10) Undertaking to the effect that the bidder is not debarred / blacklisted or banned from any University / Government Institute / PSU.
 - 11) Purchase Order and performance certificate of the quoted model of Equipment from three reputed customers, preferably University/ Government Institute / PSU, if any.

Submission of hard copy: Hard copies of bid documents and certificates should be sent to "Associate Director of Research, RARS (SZ), College of Agriculture, Vellayani" in sealed envelope by registered post/speed post before the date and time of opening of the tender. Otherwise tender will be strictly rejected without any notice. The sealed envelope containing the hard copy should bear the superscription "Tender on Supply of Equipments – RARS (SZ) Vellayani". The tender notice No. and date of opening of tender should also be mentioned on the top of the envelope.

Additional Documents to be submitted along with hard copy: Copy of remittance towards tender submission fee and EMD

- In case, the article is sent by railway; the railway receipt should be sent separately, and not along with the tender since the tender will be opened only on the appointed day and demurrage will have to be paid if the railway parcels are not cleared in time

Quoting of equipment: Only the best model fitting the specification must be quoted.

- a) Vendors if quoted for lower end 'model while the same manufacturer is having better model meeting the above tender specifications, the technical committee shall take decision to disqualify.
- b) The products should be nationally / internationally branded and CE certified.
- c) The bids should be sent only for equipment model available in the market and supplied to a number of customers. Tenders with market standing with proven quality and durability only will be entertained.

Service: The firms or companies bidder should ensure on-site service support for the equipment.

- The maximum period required for delivery and installation of the article should be mentioned.
- Availability of the spares for the entire instrument for a period of at least 10 years should be ensured.
- If any license or permit is required, Bidders must specify in their tender and also state the authority to whom application is to be made.
- Details required for e-payment (Details of bank account having core banking facility and e-mail address of the bidder) shall be furnished along with the tender.

☆ Payments will be made only after the supply is actually verified and taken to stock.

Warranty & AMC: As mentioned in the specification.

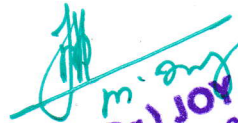
- 1) Details of extended warranty if any, rate for extended warranty, rate for annual maintenance cost after warranty period etc. should be mentioned in the bid document.
 - 2) If the Supplier, having been notified, fails to rectify the defect(s) within one to two week's time, the warranty will be extended to the extent of instrument lying idle without repair.
 - 3) All parts of the instrument, accessories, and supporting instruments should be covered under the warranty.
- Bidders not accompanied by these details will be rejected.
 - Associate Director of Research, RARS (SZ), College of Agriculture, Vellayani shall have no

obligation to convey reason for rejection of any bid. It shall be open for Associate Director of Research, Vellayani to reject even the lowest bidder in the interest of the University and no reason need be given thereof.

- The undersigned shall not be responsible for any failure, malfunction or breakdown of the electronic system while downloading the tender documents by the Bidder during the procurement process.
- On receipt of purchase order, the supplier shall execute an agreement in Kerala stamp over worth Rs.200/- at own cost and furnish a Performance Security of 5% of the cost.
- Withdrawal from the tender after it is accepted or failure to supply within a specified time or according to specifications will entail cancellation of the order and attract legal procedures as per the agreement.
- All subsequent Government orders connected to tenders and any revision in the rates of taxes would also be applicable to this tender.
- In addition to these all other General Conditions annexed in the Store Purchase Manual of Government of Kerala are also applicable to this tender.

Tender details	
Tender inviting authority	The Associate Director of Research, RARS(SZ), College of Agriculture, Vellayani
Location of supply and installation	Department of Plant Pathology, College of Agriculture, Vellayani, Thiruvananthapuram — 695 522
Date of Publication of Tender	02/02/2023 4.00 pm
Last Date and Time of Receipt of Tenders	17/02/2023 2.30 pm
Date and Time of Opening of Bid	17/02/2023 3.00 pm If the tender opening date happens to be on a holiday or non-working day due to any other valid reason, the tender opening process will be done on the next working day at same time and place.
Earnest money deposit (EMD)	1 per cent of quoted amount
Tender submission fee	0.2% of the quoted amount (Minimum Rs. 400/- and Max. Rs. 1,500/- (+ 18% GST)
Validity Period of Bid	90 days.
Period of supply and installation	Within three weeks from date of purchase order
Mode of submission of Bid	Post / Courier / Direct
Performance Security	5% of the quoted amount
Submission of performance security	Within 21 days from date of issue of purchase order

Further details on the tender process can be had from the office of Associate Director of Research, RARS(SZ), Vellayani during the office hours between 10.00 am and 5.00 pm. (Mob:8547195426).


Prof. (Dr.) JOY M. PhD
PROFESSOR & HEAD
Coconut Research Station
College of Agriculture University
Thiruvananthapuram P. O.
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