

KERALA AGRICULTURAL UNIVERSITY

College of Agriculture, Vellayani

Thiruvananthapuram-695 522

Phone: 0471-2388002, 2381829

SP (1)3531/2021

Dated, 14 -09-2022

Re-TENDER NOTICE

Sealed competitive tenders are invited from the firms for the installation of “**Tissue Culture Hardening Chamber**” to the Department of Plant Biotechnology, College of Agriculture, Vellayani as per the specifications and terms & conditions detailed below.

Sl. No.	Specification for Tissue Culture Hardening Chamber
1	<p>Dimensions: Chamber Length: 21m; Width: 6.5m; Centre Height: 4.5m; Side Height:3m with three partitioning. Bay 1 (3m x 6.5m); Bay 2 (9m x 6.5m) and Bay 3 (9m x 6.5m). Anteroom of size 1m x 1m x 2m attached to Bay 1, structure GI pipe, should cover the side and roof with UV stabilized sheet.</p> <p>Structure:a. Frame all Structures, Rafters, Purlins, Trusses are galvanized and designed as per IS 875 standards. All GI steel pipe 2mm thickness as per IS 1239/4923/3601 standard. Foundation Pipe: 42 mm OD 2mm GI pipe, 4ft. Column Pipe: 48mm OD x 2mm thickness GI pipe. Arch pipe: 42 mm OD x 2mm thickness GI pipe. Purlins pipe: 32 mm OD x 2mm thickness GI pipe. Brestring Pipe: 25mm OD x 2mm thickness GI Pipe. The inter row and Intra row distance of pipe: 8m x 4m.</p> <p>b. Nuts and other metallic parts: Includes all the elements required to join and watertight the components such as fittings, clamps, screws and nuts, plated against corrosion. Square pipe GP for partitioning , fixing 40 mesh and fixing polycarbonate sheet.</p> <p>One layer of the hollow bricks should be laid at the base of the structure to avoid water leakage and for rat proofing.</p> <p>Roofing:Dome shaped spilt roof with air window. Air window protected with 40 mesh screen for Bay 1 and with insect mesh for the rest of the structure. Roofing done with UV stabilized 5 Layered (Ginegar (Israel)/Politiv Make) LDPE Sheet 200 micron thick with driplock (anti drip) diffused, anti-dust, anti-condensation properties for all the bays.</p> <p>Shade Net: Separate movable shade net (Black 50% shade)with pulley system provided for Bay 1,2 and 3, poly lock profile will be made up of aluminum section fixed with zigzag spring of GI material with 12 gauge to withstand the wind load of 100 km/house. Side walls of polycarbonate material at base (1m height) and insect net above that (2m height) for Bay 2 and Bay 3. Polycarbonate material at the base (1m height) and 40 mesh screen above that on all sides (2m height) for Bay 1. Partition walls with 40 mesh nylon insect net between Bay 1 and Bay 2. Shade net between Bay 2 and Bay 3.</p>

<p>Doors: For Bay 2 and 3 single panel doors (1m x 3m) frame should be made of GI pipes. For Bay 1, polycarbonate fixed with aluminium beeding with an automatic locking facility. For anteroom door with UV film on frame GI pipe.</p> <p>Fogging System: Cross way nozzle, hanging type (NETAFIM MAKE),4 Way Foggers of 28 lpch,Working pressure:4 bar at this pressure the average droplet size:50 to 100 um. Density: One fogger to 0.3m -0.4m2 for propagation. Fogger discharge range:-28LPH,Pipe Imported 16 mm LLDPE (10Kg/cm2)(NETAFIM MAKE),Motor:1.0 HP monoblock pump (CG/KIRLOSKAR Make):1no.Filter (Screen): 10 KG/M3(ISI),Pressure meter: 10bar one return gutter,control valve assembly.</p> <p>Tunnels: Structure GI pipe 25mm, length 2m, width 1.5m, center height 1m, covering fully with 200 microns 5 layer UV film, 4 nos.</p>
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Cost of tender forms

Particulars	Cost (Rs.)
Supplies costing above Rs.1,00,000/- to Rs. 10 lakh	0.2 % of the quoted amount rounded to the nearest multiple of Rs.100/-subject to a minimum of Rs.400/- and maximum of Rs.1500/- + GST@12% (extra)
Supplies costing above Rs.10 lakh	0.15 % of the quoted amount rounded to the nearest multiple of Rs.100/-subject to a maximum of Rs.25000/- +GST12@% (extra)

Last date & time of receipt of tender : 17-10-2022, 2 PM

Date & time of opening of tender : 17-10-2022, 3 PM

Terms and conditions:

1. The tender should be submitted in the prescribed form which can be downloaded from the website:www.kau.in/tenders or coavellayani.kau.in
2. The envelope containing the tender should be superscribed as “**Tissue Culture Hardening Chamber**” and should be addressed to the **Dean of Faculty**, College of Agriculture, Vellayani,Thiruvananthapuram-695 522.
3. Each tender should be accompanied by Tender fee and Earnest Money Deposit (EMD) of 1% of the cost of the quoted items (subject to minimum of Rs.1500/-) by way of two crossed Demand Drafts separately for tender fee and EMD drawn in favour of the **Dean of Faculty, College of Agriculture, Vellayani payable at State Bank of India, Vellayani** Late and incomplete tenders and tenders without EMD, tender fee and agreement will not be accepted. Firms who are exempted from the payment of EMD should furnish a copy of the currently valid certificates from Stores Purchase Department, Govt.of Kerala.

4. The tender should be accompanied by an agreement in Kerala Stamp Paper worth **Rs.200/-** and format can be downloaded from the above website. Withdrawal of tender after its acceptance or failure to supply the items or not according to the specifications will entail cancellation of the tender.
5. The successful tenderer should execute an agreement in Kerala stamp paper worth **Rs.200/-** and furnish a **Security Deposit of 5%** of the cost of work/items quoted in the form of Term Deposit /Bank Guarantee/Demand Draft drawn in favour of the **Dean of Faculty, College of Agriculture, Vellayani** payable at the State Bank of India, Vellayani when directed from this office. The format of the agreement can be downloaded from the above website.
6. The item should be constructed/delivered at the site and the rate quoted for the item should be inclusive of all charges, taxes, loading and unloading charges, if any, and should be valid for one year w.e.f. the date of issue of supply order.
7. Tenders will be opened in the presence of the tenderers who may be present at that time.
8. If the date of opening the tender happens to be a holiday due to unexpected circumstances like bandh, hartal etc., quotations will be opened on the next working day at the same place and time.
9. The Dean of Faculty, College of Agriculture, Vellayani has the right to accept or reject any or all of the offers without assigning any reason. The decision of the undersigned in finalizing the tenders will be the final and binding.
10. The supply order will be placed subject to the approval of the University and availability of funds.
11. The period of warranty for structure and equipments should be stated separately.
12. Tenders insisting payment in advance either full or part are liable for rejection.
13. On acceptance, the work order will be placed and invoice should be addressed to the Dean of Faculty, College of Agriculture, Vellayani after the construction of structure.
14. The work should be completed within a maximum period of 2 months from the date of receipt of work order.
15. Payment as per the invoice will be made only after completing the work as per specifications and tenderer is liable to rectify/replace the defective articles/work immediately on receipt of intimation.
16. The EMD/Security Deposits furnished will be forfeited in case the contract is not fulfilled as per the terms and conditions mentioned in the tender notice and agreement.
17. All the rules and regulations applicable to Government tenders will be applicable to this tender also.

Sd/-

DEAN OF FACULTY

