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**KERALA AGRICULTURAL UNIVERSITY**  
**DEPARTMENT OF VEGETABLE SCIENCE**  
**COLLEGE OF HORTICULTURE**  
Vellanikkara, KAU P.O. 680656, Thrissur District

No. Veg. 161/2019

Dated 23.10.2019

**TENDER NOTICE**

Sealed tenders are invited for laying drip & fertigation facility in experiment field of Department of Vegetable Science, Kerala Agricultural University, Vellanikkara, Thrissur as per the specifications and terms & conditions detailed below.

Sl. No.	Item	Quantity (No.)
1.	<b><u>Laying Drip &amp; Fertigation facility</u></b> (Detailed specification attached)	1

**Cost of Tender Forms**

Particulars	Original (Rs.)	Duplicate (Rs.)
Supplies costing above Rs.50,000/- and upto Rs.10 lakhs.	0.2% of the quoted amount rounded to the nearest multiple of 100, subject to a minimum of Rs.400 and maximum of Rs.1500+VAT as applicable	50% of the cost of the original upper rounded to the nearest multiple of Rs.100+VAT as applicable

**Last Date of Receipt of Tender** : 04.11.2019; 2:00 pm.

**Date and Time of opening of Tender** : 04.11.2019; 3:00 pm.

Sd/-

**PROFESSOR & HEAD**

## Specifications laying of drip & fertigation facility

Platform size: length – 1.5m, breadth-1m, height-60cm

### 1. Head unit components

- a. Sand filter [horizontal type] - 25 to 30 m<sup>3</sup> / hr. - 1no.  
[Silica, uniformly graded, 98.8 purity- size 1mm to 2mm]
- b. Screen filter- 25 to 30 m<sup>3</sup> /hr. - 1no.  
[Filtration 130-micron mesh]

### 2. Fertigation system

- a. Venturi manifold (63x32x63) - 1no.
- b. Venturi injector (32 mm) - 1no.

### 3. Main and sub-main

- a. PVC Pipe (63mm, 6kg ISI) - 130m
- b. PVC Pipe (50mm, 6kg ISI) - 195m
- c. PVC Pipe (32mm, 10kg ISI) - 10m
- d. PVC Pipe fittings and accessories
- e. PVC Solvent cement - 3L

### 4. Controls valves [Double union UV stabilized]

- a. 50mm - 12no.
- b. 63mm - 2no.
- c. 32mm - 1no.
- d. Air release valve (32mm, double action) - 4no.
- e. Flesh valve (50mm) - 12no.

### 5. Polytube

- a. Online tube (16mm outer diameter, class2, ISI) - 800mm
- b. Inline tube (16mm outer diameter, class2, ISI)  
(Spacing 40cm, 4L/h, 5star rating) - 4000m
- c. Polytube fittings

## 6. Dippers

a. 8L/h - 1000no.

## 7. Motor

a. 1.5 HP (single phase) - 1no.

b. Motor control panel with dry run - 1no.

### Terms and conditions

1. Tender should be submitted in the prescribed forms which can be downloaded from the website : [www.kau.in/tenders](http://www.kau.in/tenders)
2. Sealed cover containing the tender should be super scribed “**Tender for laying drip & fertigation facility**” and should be addressed to **The Professor and Head, Department of Vegetable Science, College of Horticulture, Kerala Agricultural University, KAU PO, Vellanikkara, Thrissur District 680656, Kerala State**
3. Each tender should be accompanied by **Tender fee and Earnest Money Deposit (EMD) of 1%** of the total rupee equivalent cost of the quoted items (subject to minimum of Rs.100/-) by way of **two crossed Demand Drafts separately** for tender fee and EMD drawn in favour of **The Professor and Head, Department of Vegetable Science, College of Horticulture, Kerala Agricultural University, KAU PO, Vellanikkara, Thrissur District 680656** payable at State Bank of India, KAU campus Branch. Late and incomplete tenders and tender without EMD and agreement will not be accepted.
4. The tender should be accompanied by an agreement in Kerala stamp Paper worth Rs.200/- (Rupees Two hundred only) and format can be downloaded from the above website. Withdrawal of tender should after its acceptance or failure to supply the equipment or not according to the specifications will entail cancellation of the tender.
5. The successful tender should execute an agreement in Kerala Stamp Paper worth Rs.200/- (Rupees Two hundred only) and furnish a **Security deposit of 5%** of the cost quoted in the form of term deposit/bank guarantee/demand draft drawn in favour of **The Professor and Head, Department of Vegetable Science, College of Horticulture, Kerala Agricultural University, KAU PO, Vellanikkara, Thrissur District 680656** payable at the State Bank of India, KAU campus Branch, when directed from this office. The format for the agreement can be downloaded from the above website. Firms who are exempted from the payment of EMD should furnish copy of the currently valid certificates from store purchase departments, Govt. of Kerala.
6. The cost of the item, tax and other charges should be separately stated.

7. The exact specifications, details of make, model, name of manufacturer, warranty details etc. of the items must be clearly specified. Copies of detailed technical literature and illustrated brochures of the units quoted are to be included along with the offer. **Details of maintenance service contract offered after expiry of normal warranty, spare-parts availability and after sale- service facilities available should be indicated.** Offers without these are liable to be rejected.
8. The layout of the proposed work will have to be provided.
9. The decision of the undersigned in finalizing the tenders will be final and binding.
10. Prices quoted should be valid up to 31<sup>st</sup> March 2020 or beyond.
11. If any Bandh/Harthal/Strike/any unexpected holidays occurs on the date of opening of tender, the tender will be opened at the same time on the next working day.
12. On acceptance, the supply order will placed and invoice should be addressed to **The Professor and Head, Department of Vegetable Science, College of Horticulture, Kerala Agricultural University, KAU PO, Vellanikkara, Thrissur District 680656.** The payment will be effected only after the installation of drip & fertigation facility in experiment field of Department of Vegetable Science, College of Horticulture, Kerala Agricultural University, Vellanikkara, Thrissur in working condition and necessary demonstration by authorized service personnel.
13. The successful tenderer should complete the work within four weeks from the date of receipt of the supply order. The Professor and Head, Department of Vegetable Science, College of Horticulture, Kerala Agricultural University, KAU PO, Vellanikkara, reserves the right to remove the defaulted name from the list of suppliers permanently or for a specific period.
14. Tenders insisting payment in advance either full or part releasing the documents through bank are liable for rejection.
15. List of users giving the exact address of the contact persons and the model number of the units available at these locations have to be provided. Evidence of exclusive/authorized distributorship from foreign principals should be provided along with the offers for overseas product.
16. The Professor and Head, Department of Vegetable Science, College of Horticulture, Kerala Agricultural University, KAU PO, Vellanikkara, Thrissur has the right to accept or reject any or all of the offers without assigning any reason.
17. All the rules and regulations applicable to Government tenders will be applicable to this Tender also.

**Sd/-**  
**Professor & Head**