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KERALA AGRICULTURAL UNIVERSITY
RICE RESEARCH STATION, MONCOMPU, THEKKEKARA P.O.,
ALAPPUZHA 688 503.

No.B/324/2017

Dated 09.02.2017.

TENDER NOTICE

Sealed tenders are invited for the supply of the following item at RRS, Moncompu as per the specifications and terms & conditions detailed below.

Sl. No.	Item	Required Quantity (No.)
1.	<u>Imported Baby Bench Fermentor</u> (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
Supplies costing more than Rs. 10 lakhs	0.15% of the cost of the items rounded to the nearest multiple of 100, subject to a maximum of Rs.25,000+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 : 25.02.2017; 3:00 pm.

Date and Time of opening of Tender : 25.02.2017; 3:30 pm.

**Sd/-
PROFESSOR & HEAD**

Specifications of Imported Baby Bench Fermentor

- Capacity 4-10litres working volumes controlled by single master controller and designed for microbial fermentation.
- The vessels should be interchangeable Borosilicate glass, autoclavable with dished – bottom.
- 2 rotameters with configurable option up to 4 rotameters.
- Master Control Station - capable of controlling up to 3 vessels simultaneously.
- USB ports for Firmware update
- Suitable for both research and production purposes.
- Bright color touch-screen interface about 8.4 inch/ 21.3cm touch-screen display.
- Supplied with at least 3 fixed speed peristaltic pumps 12 RPM variable duty cycle.
- Platinum RTD probe for temperature sensing.
- PID Control for heating and cooling.
- The system agitation should be through direct drive mechanism.
- Agitation range and control:-50–1200 RPM direct drive for microbial fermentation.
- Rushton Impeller for microbial applications.
- Ring sparger for aeration. Inlet filter should be 0.2µm.
- Should have Mettler Toledo makes PH and DO Probes.
- pH probe having control range from 2 - 14
- DO probe range and control should be from 0 - 200%, via PID.
- Built-in cascade feature to automatically maintain DO set point.
- The system should be supplied with one Foam / level sensor
- Compact Air compressor, Chiller (water circulator) and Automatic Auto clave should be supplied along with the fermenter
- Warranty : 3 years.

Terms and conditions

1. Tender should be submitted in the prescribed forms which can be downloaded from the website : www.kau.in/tenders
2. Sealed cover containing the tender should be superscribed “**Tender for the supply of Imported Baby Bench Fermentor**” and should be addressed to **The Professor and Head, Rice Research Station, Moncompu, Thekkekkara P.O, Alappuzha District, PIN : 688 503.**
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, Rice Research Station, Moncompu, Thekkekkara P.O, Alappuzha District, Pin : 688 503** payable at State Bank of Travancore, Thekkekkara Branch (code : 71084). 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 of the equipment quoted in the form of term deposit/bank guarantee/demand draft drawn in favour of **The Professor and Head, Rice Research Station, Moncompu, Thekkekkara.P.O,**

Alappuzha District, Pin : 688 503 payable at the State Bank of Travancore, Thekkkara Branch(Code:71084), 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. In the case of electrically operated equipments the circuit diagram will have to be supplied.
9. The decision of the undersigned in finalizing the tenders will be final and binding.
10. Prices quoted should be valid up to 31st March 2017 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, Rice Research Station, Moncompu, Thekkkara P O, Alappuzha District, PIN : 688 503. The payment will be effected only after the satisfactory supply, installation of the item at RRS Moncompu in working condition and necessary demonstration by authorized service personnel.
13. The successful tenderer should supply the items to The Professor and Head, Rice Research Station, Moncompu, Thekkkara P.O, Alappuzha District, PIN : 688 503 within one month from the date of receipt of the supply order. The Professor and Head, Rice Research Station, Moncompu, Thekkkara P.O, Alappuzha 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, Rice Research Station, Moncompu, Thekkkara P. O, Alappuzha 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 Tenderalso.

Sd/-
Professor & Head