

KERALA AGRICULTURAL UNIVERSITY
Centre for Plant Biotechnology & Molecular Biology, IT – BT Complex,
College of Agriculture, K.A.U. P.O., Thrissur, Kerala – 680 656
Phone : 0487-2438575 , Fax : 0487- 2370019
Email : cpbmb@kau.in

No. CoH/Cpbmb/EAPs/03/2021

20.01.2021

TENDER NOTICE

Sealed tenders are invited in the prescribed form from competent firms/persons for the supply of the following equipment/machinery required for various projects at the Centre for Plant Biotechnology and Molecular Biology with specifications as detailed below:-

Sl. No.	Name of the item	Specifications
1.	Thermal cycler (2 nos.)	<p>Universal Block PCR for usage of 96 x 0.2ml PCR Tube, capable of testing at least 6 different temperatures simultaneously, ensuring ramp rates identical, operating based on peltier technology with pre-programmed template for easy selection of temperature protocols as well as provision for customized programming along with provision for Auto Restart facility with user defined time interval when power fails. Administrator and user login for enhanced security system preferable. Reaction volume 10-100 µL, Temperature control range: from 4 °C to 99 °C (Minimum), Lid Temperature range: 37 - 100 °C (Minimum), Block Temperature Accuracy: ± 0.25 °C (Minimum), Block Homogeneity: ±0.5 °C up to 95°C, Temperature control speed: 3 °C/s (heating), 2 °C/s (cooling), touch screen display. Details of Interface, dimensions, power requirement (230 V preferable) and consumption, system memory capacity, calibration, USB ports, cooling vents and other relevant information to be specified. Accessories may be quoted separately.</p> <p>Quote inclusive of a buy back provision of one Eppendorf Mastercycler Gradient PCR Machine and one Eppendorf Mastercycler PCR Machine also needs to be specified</p> <p>The quote for the item specified above should clearly be inclusive of the charges for the Supply, packing & forwarding, transit-insurance and freight to site, installation, testing and commissioning, dismantling/reinstallation, labour charges etc if any. Prices quoted for the item is to be on-site basis and also be inclusive of basic price, excise duty and other taxes. Any excluded works and services in the quote is to be specified separately. Excise duty, Tax, Insurance, Warranty period, delivery time and Terms of payment are also to be specified.</p>
2.	Membrane spotter	<p>1. Membrane spotter for uniform dispensing of reagents on membrane.</p>

		<ol style="list-style-type: none"> 2. Printing two lines simultaneously, with provision for controlling the speed of dispensing and the pressure on membrane. 3. Printing length minimum 25 cm on the membrane. 4. Provision of variable speed for controlled dispensing of reagents and auto–reverse facility. 5. Holding tank with 500µl capacity. 6. Total recovery of unused reagents should be possible. 7. The quote for the item specified above should clearly be inclusive of the charges for the supply, packing & forwarding, transit-insurance and freight to site, installation, testing and commissioning, dismantling/reinstallation, labour charges etc if any. Prices quoted for the item is to be on-site basis and also be inclusive of basic price, excise duty and other taxes. 8. Excise duty, Tax, Insurance, Warranty period, delivery time and Terms of payment are also to be specified.
3.	PCR work station	<ol style="list-style-type: none"> 1. PCR work station with UV light tube for decontamination, vertical air flow with HEPA filter and with LED light tube 2. Provision for power outlets. 3. Stainless steel working area, front and side panels made from polycarbonate and foldable polycarbonate front door. 4. The quote for the item should be inclusive of the charges for the supply, packing & forwarding, transit-insurance and freight to site and installation. Prices quoted for the item is to be on-site basis and also be inclusive of basic price, excise duty and other taxes. 5. Excise duty, Tax, Insurance, Warranty period, delivery time and Terms of payment are also to be specified.
4.	Deep freezer	<ol style="list-style-type: none"> 1. Temperature -20°C and below 2. Upright, single door with lock. 3. Minimum 300 liter capacity 4. Manual defrost. 5. The quote for the item should be inclusive of the charges for the supply, packing & forwarding, transit-insurance and freight to site and installation. Prices quoted for the item is to be on-site basis and also be inclusive of basic price, excise duty and other taxes. 6. Excise duty, Tax, Insurance, Warranty period, delivery time and Terms of payment are also to be specified.

5.	Digital dry bath	<ol style="list-style-type: none"> 1. Programmable, digital dry heat block with temperature range of 5°C to 120°C and a temperature accuracy of +/- 0.3°C. 2. Block suited for tubes of 0.2 ml, 0.5 ml and 1.5ml capacity. 3. Uniform temperature distribution across the block with uniformity of +/- 0.1°C. 4. Temperature probe for accurate measurement of temperature. 5. The quote for the item should be inclusive of the charges for the supply, packing & forwarding, transit-insurance and freight to site and installation. Prices quoted for the item is to be on-site basis and also be inclusive of basic price, excise duty and other taxes. 6. Excise duty, Tax, Insurance, Warranty period, delivery time and Terms of payment are also to be specified.
6.	Hot air oven	<ol style="list-style-type: none"> 1. Programmable hot air oven with with LCD display screen. 2. Chamber volume of 80l and with two shelves. 3. Programmable up to 250°C temperature a with temperature uniformity of at least $\pm 2.5\%$, temperature stability of $\pm 1^\circ\text{C}$ 4. Provision for over temperature and temperature difference alarms. 5. The quote for the item should be inclusive of the charges for the supply, packing & forwarding, transit-insurance and freight to site and installation. Prices quoted for the item is to be on-site basis and also be inclusive of basic price, excise duty and other taxes. 6. Excise duty, Tax, Insurance, Warranty period, delivery time and Terms of payment are also to be specified.

Last date of receipt of Tender : 10-02-2021 at 2.00 pm

Opening of Tender : 10 -02-2021 at 2.30 pm

Terms and Conditions

1. Tender form

The tender form may be downloaded from the Related Documents section in the following web link in the internet <http://www.kau.edu/tenders>. The cost of tender form will be accepted by way of DD in favour of Professor & Head, CPBMB, CoH payable at SBI, Vellanikkara and should be enclosed along with Tender. The tender cost should be specified, while submitting the tender. The cost of Tender form is as follows:-

Cost of Tender Forms

Particulars	Cost (Rs.)
Supplies costing above Rs. 50,000/- upto Rs. 5,00,000/-	0.2 % of cost of tender rounded to the nearest multiple of 100 , subject to a minimum of Rs.500/- and maximum of Rs. 2000/-

2. Tenders shall be accompanied by Tender fee, GST and Earnest Money Deposit of 2.5% of the total rupee equivalent cost of the quoted items (subject to maximum of Rs. 50,000/-) by way of 3 crossed Demand Draft separately for GST, EMD and tender fee in favour of **the Professor & Head, CPBMB, College of Horticulture, Vellanikkara** drawn on the State Bank of India, KAU Campus (Branch Code 70670). Cheques will not be accepted. While calculating the total offer amount for items where alternate options have been given, the cost of the costliest option alone need be considered. Where quantity requirements have not been specified in the Tender Notice, the cost of one unit may be reckoned for arriving at the EMD amount.
3. The sealed cover containing the tender documents should be super scribed as “**Tender for Equipments as per tender No. CoH/Cpbmb/EAPs/03/21 dt: 20-1-2021**” and should be addressed to the Professor & Head, CPBMB, IT-BT Complex, College of Agriculture, K. A. U. P.O, Thrissur, Kerala – 680 656.
4. Tender shall be accompanied by an agreement as per format appended, executed on Kerala Stamp paper of face value Rs. 200/-. The format of the agreement is available for download from the Related Documents section in the following web link in the internet <http://www.kau.edu/tenders>.
5. Late and incomplete tenders and tenders without EMD and agreement in Kerala stamp paper will not be accepted.
6. Firms who are exempted from payment of EMD should furnish copy of the currently valid certificate from the Store Purchase Department, Govt. of Kerala.
7. Selected firms will have to furnish a security deposit of 5% of the order value and execute another agreement in Kerala stamp paper worth Rs. 200/-. Security deposit will be accepted in the form of DD, Term Deposit Receipt or Bank Guarantee favouring **the Professor & Head, CPBMB, College of Agriculture, Vellanikkara**.
8. The cost of the item, tax and other charges should be separately stated for each item. The items should be supplied at our premises.
9. Offers shall be made CIF Kochi by airfreight for imported instruments and FOR destination for indigenous items. For imported items, charges for insuring up to final inland destination against all risks including total loss for CIF value plus 10% should be included in the insurance charge. Installation and demonstration charges may be indicated separately where applicable.
10. We are exempted (regd. with DSIR) from payment of customs and excise duty for our procurements and hence prices quoted should be exclusive of these. Prices inclusive of

taxes and installation charges, if any, may be indicated. We shall provide the necessary forms and certificates as required.

11. The exact specifications, details of make, model number, name of manufacturer etc., of the equipment offered must be clearly specified. Copies of detailed technical literature and illustrated brochures of the units quoted are to be included along with the offer. Offers without these are liable to be rejected. 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.
12. Instrument operating manuals have to be provided along with the supply.
13. Details of warranty offered should be clearly stated in the tender. Details of maintenance service contract offered after expiry of normal warranty and after-sales-service facilities available should be indicated.
14. Evidence of exclusive/authorized distributorship from foreign principals should be provided along with the offers for overseas products.
15. If any unexpected holiday occurs on the date of opening of tender, the tender will be opened at the same time on the next working day.
16. Period of firmness of the quoted prices should be clearly stated in the offer.
17. The undersigned reserves the authority to accept or reject any or all of the offers for any particular item without assigning any reason whatsoever.

All the rules and regulation applicable to Government Tenders will be applicable to this tender also.

Sd/-

Professor & Head
CPBMB, IT-BT Complex
College of Horticulture
Kerala Agricultural University