

UNIVERSITY OF CALICUT  
**NOTICE INVITING TENDER**

No13146/PURCHASE-ASST-B2/2017/CU

Calicut University (P.O.) 25.04.2017

The Registrar, University of Calicut invites online tender for the purchase of equipment to Department of Zoology .Rate quoted should be inclusive of taxes and all other charges including installation. The bidders should remit the 0.2% of the cost of the tender (for tender cost up to 10 lakh)+VAT @5% as tender cost rounded to the nearest multiple of 100, subject to a maximum Rs.1500+VAT @ 5%. If the tender cost is above 10 lakh the bidders should remit the 0.15% of the cost of the tender+VAT @5% as tender cost rounded to the nearest multiple of 100, subject to a maximum Rs.25000+VAT @ 5%. Also 1% of the total cost of the articles tendered for (rounded to the nearest rupee) should be remitted as Earnest Money Deposit (EMD) subject to a minimum of Rs.1500. The EMD and tender cost should be drawn in favour of the Finance Officer. Detailed technical specifications (including catalogues and other details if any) should be uploaded under the heading Other Important Documents. A Performance Security equivalent to 5% of the total value of the contract rounded to the nearest rupee should be submitted by the successful bidder for a contract value above Rs.1,00,000/-. The EMD and Performance Security are returnable.The important date regarding the tender is as follows

Last date of receipt of documents submitted online	19.05.2017 6.00 PM
Pre bid meeting	04.05.2017 11 AM
Submission of Hard Copies	23.05.2017 5.00 PM
Opening of the tender	24.05.2017 11AM

Sl. No.	Item	Specifications	Qty
1.	<b>BENCH Top pH METER combined pH ELECTRODE</b>	<ul style="list-style-type: none"> <li>pH Range : 0.00 to 14.00 pH</li> <li>Resolution/Accuracy 0.01 pH / <math>\pm 0.01</math>pH</li> <li>No. of pH Calibration: Up to 3 points</li> <li>Points:USA- 4.01,7.00,10.01</li> <li>pH Buffer Options NIST- 4.01,6.86,9.18</li> <li>Temperature Compensation Automatic (optional) / Manual (0 to 100 °C)</li> <li>Temperature Range 0 to 100</li> </ul> <p>Specifications</p> <ul style="list-style-type: none"> <li>pH Range:0.00 to 14.00 pH</li> <li>Resolution/Accuracy:0.01 pH / <math>\pm 0.01</math>pH</li> <li>No. of pH Calibration Points:Up to 3 points</li> </ul> <p>pH Buffer Options</p> <ul style="list-style-type: none"> <li>USA- 4.01,7.00,10.01</li> </ul>	1 No.

		<ul style="list-style-type: none"> <li>NIST- 4.01,6.86,9.18</li> </ul>	
		Temperature Compensation Manual (0 to	
2.	<b>ULTRA SONIC HOMOGENIZER WITH CABIN</b>	<ul style="list-style-type: none"> <li>Power Rating:150W</li> <li>Output Frequency:20-25KHz</li> <li>Sample volume:10-100mL</li> <li>Standard Titanium Horn:Ø6 (10-100ml)</li> <li>Optional Titanium Horn:Ø3 (3-10ml), Ø2 (0.5-3ml)</li> <li>Dimensions : 534X295X435mm</li> <li>Weight: 9.3kg</li> </ul>	1 No.
3.	<b>Electronic Top Loading Analytical Balance</b>	<ul style="list-style-type: none"> <li>Capacity : 220 gms</li> <li>Minimum Display : 0.001g</li> <li>Pan Size : 100 x 100 mm</li> <li>Repeatability Std.</li> <li>Deviation : <math>\leq 0.001</math>gms</li> <li>Linearity : <math>\pm 0.002</math> g</li> <li>Calibration : External</li> <li>Response Time approx. : 1.0 - 1.2 secs.</li> <li>Ambient temperature :5-40 Deg.C/41-104F</li> <li>Temp. coefficient of sensitivity 15-35 °C : <math>\pm 3</math>ppm/°C</li> <li>Dimensions approx. :170W x 240D x 75H mm</li> <li>Weight approx. : 2.2kgs</li> <li>Power Req. : AC Adapter; 90V-264V, -15% <math>\pm</math> 10%, 50/60Hz</li> <li>Standard accessories : Protective in-use cover, Simple windbreak cover</li> <li>Display : LCD</li> </ul>	1 No.
4.	<b>Binocular Research Microscope</b>	<ul style="list-style-type: none"> <li>Stand: Single mold sturdy stand with anti rust materials. Extended base with hand rests for enhanced stability and comfort</li> <li>Viewing Bodies: Siedentopf Binocular tube, 30° inclined, 360° rotatable, Interpupillary distance 48-75mm</li> <li>Eyepieces: Wide Field focusable paired eyepiece WF 10x/22 mm, with foldable eye guard, anti-fungus Coating</li> <li>Nosepiece: Reverse angle quadruple nosepiece (Ball bearing type) with click stops and rubber grip, anti-fungus coating</li> <li>Objectives: RP series DIN Infinity Corrected Plan Achromatic objectives 4x, 10x, 40x (SL), 100x (SL, oil) anti-fungus coating</li> <li>Mechanical Stage: Rackless X-axis, double plate mechanical stage plate size 200 x 160mm, X/Y travel range 78 x 54mm. Low drive movement controls. Hard coated surface for scratch resistance.</li> <li>Condenser: Sub-stage Abbe condenser NA 1.25 with aspheric lens and iris diaphragm. Rack and pinion movements on stainless steel guides. Daylight blue filter provided.</li> <li>Focusing: Co-axial coarse and fine focusing on ball drive</li> </ul>	5

		<p>system for smooth operation.</p> <ul style="list-style-type: none"> <li>• Illumination: LED illumination with rechargeable battery cells provides 5-6 hours battery backup in case of electricity failure.</li> <li>• Electrical: Input 220V-240V AC</li> <li>• Packed in Styrofoam box, with operation manual, dust cover, cleaning cloth, power cord.</li> </ul>	
5.	<b>Stereo Binocular Mincroscope</b>	<ul style="list-style-type: none"> <li>• Optical System : Greenough</li> <li>• Magnification : 4.4:1, zoom</li> <li>• Eyepieces : WF 20x/20mm</li> <li>• Diopter correction : <math>\pm 5</math> diopters</li> <li>• Working distance : 100mm</li> <li>• Magnification Range : 8x to 75x Gradual zoom</li> <li>• Object field diameter: 6.6 to 28.5 mm</li> <li>• Eye guards : Retractable</li> <li>• Illumination Control: Incident/transmitted/combined illumination control buttons.</li> <li>• Incident light : <math>\pm 30^\circ</math> oblique illumination and variable intensity control dial.</li> <li>• Incident light method: Maximum intensity (10 LEDs), front angled incident light (5 LEDs), rear angled incident (5 LEDs).</li> <li>• Transmitted light : 3 LEDs super bright glow screen, low heat emission.</li> <li>• LED service life : Approx. 25,000 hrs.</li> <li>• Light quality: Homogenous daylight (6500oK) free of UV and IR emissions.</li> <li>• Power Supply: Universal 100V-240V, 50/60HZ</li> </ul>	5
6.	<b>4 way Y-tube olfactometer with air delivery and air generating system</b>	<p>1. Air Entrainment System With Following Features:</p> <ul style="list-style-type: none"> <li>• Model: Portable type</li> <li>• Casing : Aluminum casing</li> <li>• Air Source : One Diaphragm Pump</li> <li>• Vacuum Source: One Diaphragm Pump</li> <li>• Capacity : 2.0 litre : 2.0 Litres</li> <li>• Filter : Activated carbon filter :</li> <li>• Activated Carbon Filters</li> <li>• Volatile Collection: Control By Two Flow Meters</li> <li>• Flow Meter Capacity: 100 MI To 1000 MI</li> <li>• OUTLET: Split putlet PTFE</li> <li>• Dimensions: : 400 X 300 X 150MM</li> <li>• Power Supply : 220v, 50hz</li> <li>• Glass Vessels With Plates (6 No)</li> </ul>	1
		<ul style="list-style-type: none"> <li>• 1 Liter Benchtop Freeze Dry System with Teflon-</li> </ul>	

7	<b>1 Litre Bench top Freeze Dryer (Lyophilizer)</b>	<p>Coated Collector</p> <ul style="list-style-type: none"> <li>• Upright stainless steel collector coil capable of removing 1 liter of water in 24 hours and holding 1 liter of ice before defrosting</li> <li>• Operating Voltage: 220-240 V, 50 Hz</li> <li>• Cold trap temperature -40C or Below</li> <li>• 8- 12-Port Drying chamber</li> <li>• HCFC/CFC-free refrigeration system to cool collector to -50° C</li> <li>• Rotary Vane Vacuum Pump, 77/92 litre/min, <math>1 \times 10^{-3}</math> mbar,</li> <li>• 220-240V, 50/60Hz</li> <li>• Free service Vacuum pump (After 1000 hours of vacuum use) and free replacement of moisture collector within first year</li> <li>• LCD for display of set up and operating parameters.</li> <li>• Controls: Refrigeration on/off, Vacuum on/off</li> <li>• Fast-Freeze 45° Adapter (Stainless Steel) 3/4" flask top to 3/4" valve</li> <li>• 3/4" OD vacuum connector, three feet of 3/4" ID vacuum hose and two clamps. 120 ml</li> <li>• Complete Fast-Freeze Flask</li> <li>• 3/4" flask top Adapter Diameter</li> <li>• Vacuum Level: Up to 0.001mbar or more</li> <li>• Side-mounted, retractable, collector drain hose</li> <li>• Portable Table with wheels</li> </ul>	1
8.	<b>Digital Photoelectric Colorimeter</b>	<ul style="list-style-type: none"> <li>• 2 1/2" digit digital display calibrated on O.D. with Auto Dark</li> <li>• 2 1/2" digit digital display calibrated on O.D. with Auto Dark</li> <li>• 8 filters cover wavelength range from 400 nm – 700 nm</li> </ul>	3
9	<b>Plant Efficiency Analyser</b>	<ul style="list-style-type: none"> <li>• Illumination: Red LED, 650 nm (focused ultra-bright red LED's)</li> <li>• Saturating light intensity &gt; 3000 <math>\mu\text{mol m}^{-2} \text{s}^{-1}</math> PAR, selectable in 1% steps between 0 and 100%</li> <li>• Detector: PIN photodiode and fast detection circuit protected by long-pass I.R. photographic filter (NIR-filter)</li> <li>• Electronics: 100 kHz initial sampling rate (for correct <math>F_o</math> determination), then decreasing stepwise during measurement</li> <li>• Memory: 64K CMOS EPROM containing program.</li> <li>• 140K RAM for storage of data.</li> <li>• This could be used for: 75 full data files for 1 sec record or 40 full data trace files for 120 sec or 8000 parameter only sets.</li> <li>• Record Length: User selectable in 1 second steps between 1 and 120 secs.</li> <li>• Battery Life: up to 8 hours dependent upon light intensity and record interval.</li> <li>• Measured Parameters: <math>F_o</math>, <math>F_m</math>, <math>T_{fm}</math>, Area, data points for OJIP-Test</li> <li>• Calculated Parameters: <math>F_v</math>, <math>F_v/F_m</math>.</li> </ul>	1

Tender documents and tender schedule may be downloaded free of cost from the website [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in). All bid/tender documents are to be submitted online only and in the designated cover(s)/envelope(s) on the website. Tenders/Bids shall be accepted only through online mode on the website and no manual submission of the same shall be entertained. Late tenders will not be accepted. Further details can be had from the Deputy Registrar, Purchase Division, University of Calicut, Calicut University (P.O), Malappuram, Pin.673 635, Kerala during working hours. (0494 – 2407130, 2407160)

**General Conditions:**

1. No tender received after the specified date and time will be accepted on any account. The rates will be considered firm for acceptance till the date mentioned above. Tenders not stipulating period of firmness and tenders with price variation clause and/or 'subject to prior sale' condition are liable to be rejected.
2. The tenders will be opened on the appointed day and time in the office of the undersigned.
3. If any tenderer withdraws from his tender before the expiry of the period fixed keeping the rates firm for acceptance, the earnest money if any, deposited by him forfeited to University or such action taken against him as University think fit.
4. The final acceptance of the tenders rests entirely with the University who do not bind themselves to accept the lowest or any tender. But the tenderers on their part should be prepared to carry out such portion of the supplies included in their tenders as may be allotted to them.
5. Communication of acceptance of the tender normally constitute a concluded contract. Nevertheless, the successful tenderer shall also execute an agreement for the due fulfillment of the contract within the period to be specified in the letter of acceptance. The contractor shall have to pay all stamp duty, lawyer's charges and other expenses incidental to the execution of the agreement. Failure to execute the agreement within the period specified will entail the penalties set out in para below
6. (a) The successful tenderer shall before signing the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to 5 percent of the value of the contract as security for the satisfactory fulfillment of the contract less the amount of money deposited by him along with his tender. The amount of security may be deposited in the manner prescribed in Store Purchase Manual (Revised Edition 2013) Government of Kerala. Letters of guarantee in the prescribed form for the amount of security from an approved bank will be considered enough at the discretion of the University. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest money deposited by him will be forfeited to the University and contract arranged elsewhere at the defaulter's risk and any loss incurred by University on account of the Purchase will be recovered from the defaulters who will however not be entitled to any gain accruing thereby. If the defaulting Firm is a registered firm their registration is liable to be cancelled.
- (b) In cases where a successful tenderer, after having made partial supplies fails to fulfill the contracts in full, all, or any of the materials not supplied may at the discretion of the Purchasing Officer, be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already and the loss, if any caused to the University shall thereby together with such sums as may be fixed by the University towards damages be recovered

from the defaulting tenderer.

(c) Even in cases where no alternate purchases are arranged for the materials not supplied, the proportionate portion of the security deposit based on the cost of the materials not supplied at the rate shown in the tender of the defaulter shall be forfeited and balance alone shall be refunded.

7. No interest will be paid on earnest money deposited.

8. The security deposit shall, subject to the conditions specified herein, be returned to the contractor within three months after the expiration of the contract, but in the event of any dispute arising between the Department concerned and the contractor, the Department shall be entitled to deduct out of the deposits or the balance thereof until such dispute is determined the amount of such damages, costs, charges and expenses as may be claimed. The same may also be deducted from any other sum which may be due at any time from University to the contractor. In all cases deposit will be released only after the expiry of the guarantee period.

9. (a) All payments to the contractors will be made by Purchasing Officer in due course: (i) either by Departmental cheques payable at the Kerala Government Treasuries or (ii) by cheques or drafts on the Reserve Bank of India, State Bank of India ( at any of their Principal Branches in India) (iii) in the case of supplies from abroad by drafts as may be arranged between the contracting parties.

(b) All incidental expenses incurred by the University for making payments outside the district in which the claim arises shall be borne by the contractor.

10. Bank charges incurred in connection with payment against documents through Bank will be to the account of the contractor. The firms will produce stamped pre receipted invoices in all cases where payments (advance/final/for the release of railway receipts/shipping documents) are made through banks.

11. The contractor shall not assign or make over the contract or the benefits or burdens thereof to any other person or body corporate. The contractor shall not under let or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the Purchasing Officer who shall have absolute power to refuse such consent or to rescind such consent (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the sub-contractor upon such rescission. Provided always that if such consent be given at any time the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

12. In case the contractor becomes insolvent or goes into liquidation, or makes or proposes to make any assignment for the benefit of his creditors or proposes any composition with his creditors for the settlement of his debts, carries on his business of the contract under inspection on behalf of or his creditors, or in case any receiving order or orders for the which under any clause or clauses of this contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits, the contract shall, thereupon, after notice given by the Purchasing Officer to the Contractor be determined and the University may complete the contract in such time and manner and by such persons as the University shall think fit. But such determination of the contract shall be without non prejudice to any right or remedy of the University against the contractor or his sureties in respect of any breach of contract therefore committed by the contractor. All expenses and damages caused to University by any breach of contract by the contractor shall be paid by the contractor to University, and may be recovered from him under the provisions of the Revenue Recovery Act in force in state.

13. a) In case the contractor fails to supply and deliver any of the said articles and things within the time provided for delivery of the same, or in case the contractor commits any breach of any of the covenants, provided for delivery of the same, or in case the contractor commits any breach of any of the covenants, stipulations and agreements here in contained, and on his part to be observed and performed, then and in any such case, it shall be lawful for University (if they shall think fit to do so) to arrange for the purchase of the said articles and things from elsewhere or on behalf of the University by an order in writing under the hand of the Purchasing Officer put an end to this contract and in case the University shall have incurred, sustained or been put to any costs, damages or expenses by reason of such purchase or by reason of this contract having been so put an end to or in case any difference in price, compensation, loss, costs, damages, expenses of other moneys shall then or any time during the continuance of this contract be payable by the contractor to the University under and by virtue of this contract, it shall be lawful for the University from and out of any moneys for the time being payable or owing to the contractor from the University under by virtue of this contract or otherwise to pay and reimburse to the University all such costs, damages and expenses they may have sustained, incurred or been put to by reason of the purchase, made elsewhere or by reason of this contract having been so put an end to as aforesaid and also all such difference in price compensation, loss costs, damages, expenses and other money shall for the time being be payable by the contractor aforesaid.

b) In case any difference or dispute arises in connection with the contract, all legal proceedings relating to the matter shall be instituted in the Court with in whose jurisdiction the purchasing officer voluntarily resides.

14. Every notice hereby required or authorized to be given may be either given to the contractor personally or left at his residence or last known place of abode or business, or maybe handed over to his agent personally, e-mailed or may be addressed to the contractor by post at his usual or last known place of abode or business and if so addressed and posted , shall be deemed to have been served on the contractor on the date on which, in the ordinary course of post, a letter so addressed and posted/e-mailed would reach his place of abode or business.

15. The tenderer shall undertake to supply materials according to the standard sample and /or specifications.

16. No representation for enhancement of rates will be considered.

17. Any attempt on the part of the tenderers or their agents to influence the Department/stores Purchase Department in their favour by personal canvassing with the officers concerned will disqualify the tenderers.

18. The prices quoted should be inclusive of all taxes, duties, cesses, etc., which are or may become

payable by the Contractor under the existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

19. i. Special Conditions, if any of the tenderers attached with the tenders will not be applicable to the contract unless they are expressly accepted in writing by the purchaser. Online Payment modes: The tender document fees can be paid in the following manner through ePayment:

i. State Bank of India Internet Banking: If a bidder has a SBI internet banking account, then, during the online bid submission process, bidder shall select SBI option and then select Internet banking

option. The e-Procurement system will re-direct the bidder to SBI's internet banking page where he can enter his internet banking credentials and transfer the tender document amount.

ii. National Electronic Fund Transfer (NEFT): If a bidder holds bank account in a different bank, then, during the online bid submission process, bidder shall select NEFT option. An online remittance form would be generated, which the bidder can use for transferring amount through NEFT either by using internet banking of his bank or visiting nearest branch of his bank. After obtaining the successful transaction receipt no., the bidder has to update the same in e Procurement system for completing the process of bid submission. Bidder should only use the details given in the Remittance form for making a NEFT payment otherwise payment would result in failure in e-Procurement system. As NEFT payment status confirmation is not received by e-Procurement system on a real time basis, bidders are advised to exercise NEFT mode of payment option at least 48 hours prior to the last date and time of bid submission to avoid any payment issues. NEFT payment should be done according to following guidelines: i. Single transaction for remitting Tender document fee and EMD: Bidder should ensure that tender document fees and EMD are remitted as one single transaction.

iii. Account number as per Remittance Form only: Account no. entered during NEFT remittance at any bank counter or during adding beneficiary account in Internet banking site should be the same as it appears in the remittance form generated for that particular bid by the e-Procurement system. Bidder should ensure that tender document fees and EMD are remitted only to the account number given in the Remittance form provided by eProcurement system for that particular tender. Bidders must ensure that the banker inputs the Account Number (which is case sensitive) as displayed in the Remittance form. No additional information like bidder name, company name, etc. should be entered in the account no. column along with account no. for NEFT remittance.

iii. Only NEFT Remittance Allowed: RTGS payments, Account to Account transfers, State Bank Group Transfers (GRPT) or Cash payments are not allowed and are treated as invalid mode of payments. Bidder must ensure that the banker does NEFT transaction only irrespective of the amount and specially instruct the banks not to convert the payment type to RTGS or GRPT.

iv. Amount as per Remittance form: Bidder should ensure that the amount being remitted is neither less nor higher than the amount shown in remittance form.

v. UTR Number: Bidders should ensure that the remittance confirmation (UTR number) received after NEFT transfer should be updated as it is, in the e-Procurement system for tracking the payment.

vi. One Remittance Form per Bidder and per Bid: The remittance form provided by e- Procurement system shall be valid for that particular bidder and bid and should not be re-used for any other tender or bid or by any other bidder. Any transaction charges levied while using any of the above modes of online payment has be borne by the bidder. The supplier/contractor's bid will be evaluated only if payment status against bidder is showing "Success" during bid opening.

For details logon to [www.etenderskerala.gov.in](http://www.etenderskerala.gov.in)

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UNIVERSITY OF CALICUT