

**KERALA AGRICULTURAL UNIVERSITY
KELAPPAJI COLLEGE OF AGRI ENGG & FOOD TECHNOLOGY**

Tavanur-679573, Malappuram (Dt), Kerala
Email: deanengg@kau.in, kcaet@kau.in; Ph: 0494 2686214

No. KCAET/1969/2025-B3

Dated: 17-03-2025

TENDER NOTICE

Sealed & competitive tenders are invited from the Original equipment manufacturers or dealers for the supply of the following Equipment as per the technical specification and in accordance with the various provisions of this tender document for use in AICRP on PHET Scheme of this college. Only highly reliable & reputed brands with long standing in the industry and wide service channels and proven/guaranteed long system-life standards are considered.

No	Item	Specification	Quantity
1	Ultra Sound Bath System	<ul style="list-style-type: none"> • No. of chambers : one • Enclosure size : 1210 x 600 x 920mm + 100mm Base (l x w x h) • Tank size : 600 x 300 x 700mm(l x w x h) • W. Tank size : 600 x 300 x 600mm(l x w x h) • Basket size : 500 x 200 x 650mm(l x w x h) • Tank material : SS 304 (14 SWG) with mirror finish & round corner • Tank encloser : SS 304 with Pipe frame & Door panels with Matt Finish • Basket : SS 304 (SS 304 Rod Basket -1 No's to Hold the disc of 450 mm) • Total Solvent Capacity : 120 Ltrs. Approx. • Total Filling Volume : 100 Ltrs. Approx. • Power Output (Ultrasonic):2000 Watts (AVG) & 4000 Watts (Peak) • Power Input : 230 VAC, ±10% Single phase 50Hz ±2Hertz. • Timer : Digital Timer 0-99 min settable • Temperature Controller: Digital Temperature controller with settable up to 70°C max. • Heater : 4000 W (200W x 2Nos) for efficient heating • Temperature Sensor: RTD (PT100) sensor "Simplicon" Make. • Frequency : 33 kHz ±7 kHz • Transducers : Imported make PZT type 	1no.

		<p>bonded at Front & Back side of the Tank with weld bond technique</p> <ul style="list-style-type: none"> • Water level Sensors : Float switch will be provided for safety of the heaters & Side bonded transducers. • Ultrasonic Generator : Advanced latest IGBT based SMPS module • Safety Interlocking : Safety Interlocking provided for Overload protection by safety fuse & System safety Cut off from 10 Degree above Set Temp. • Inlet & Overflow : ½ "BSP Inlet & ¾" Overflow With Barrel nipple connection. • Drain : ¾ " BSP threaded valve provided for drainage. • Accessories : SS 304 lid, SS 304 Basket(Rod type), Drain valve. • Solvent : Aqua Based 	
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Conditions for participating in Tender

1. The tender form can be downloaded from the following web link in the internet <http://www.kau.edu/tenders>. The cost of tender form is 0.2% of the quoted amount rounded to the nearest multiple of Rs.100/- subject to minimum of Rs.400/- and maximum of Rs.1500/- + GST 18%. The same will be accepted by way of Demand Draft drawn in favour of the Dean of faculty (Agrl.Engg.), KCAET, Tavanur payable at SBI, Kuttippuram and should be sent separately along with the tender. EMD at 1% of the cost of equipment including GST(subject to minimum of Rs. 1500) offered should be remitted by a separate DD drawn as detailed above.
2. An agreement in kerala stamp paper worth Rs. 200/- should also be enclosed.(Form of agreement can be downloaded from the website <http://www.kau.edu/tenders> under the related document section).
3. The cost of item including GST needed to be mentioned in tender. Other charges (transportation/installation) if any should be mentioned separately. The brand/make/warranty etc. should be shown separately. A tenderer can quote the rate of more than one brand /make and it should be shown separately.
4. The sealed cover containing the tender document should be superscribed as "Tender for Equipment (Ultra Sound Bath System) for AICRP on PHET Scheme" and send to the Dean of Faculty, KCAET, Tavanur – Pin 679 573, Malappuram District, Kerala State.
5. Tenders received late or incomplete in any respect will be summarily rejected, without any notice and the decision of the undersigned on such matter will be final.
6. Successful bidders will have to execute an agreement in Kerala stamp paper worth Rs.200/- and remit security deposit @5% of the value of the articles ordered less the

- amount of EMD, drawn as DD/fixed Deposit/bank guarantee.
7. The brand, make, model and detailed specifications and warranty terms are to be incorporated.
 8. Supplier should give the details of the nearest service centre and response time.
 9. The items are to be supplied and installed at the KCAET, Tavanur and their working have to be demonstrated satisfactorily.
 10. Details of warranty, after sales service offered on expiry of normal warranty period available should be mentioned.
 11. The undersigned reserves the authority to accept or reject any or all the tenders without assigning any reason thereof.
 12. The decision of the undersigned in finalizing the tender shall be final and binding.
 13. The client list may be attached in support of goodwill of the company.
 14. Leaflets/brochures/catalogue of the equipment describing its features, application/ specification etc. should be provided along with the tender.
 15. Tenders will be received up to **12.00 Noon on 26/03/2025**
 16. Tenders will be opened at **12.30 pm on 26/03/2023** in the presence of the tenders present at that time.
 17. Supply should be effected within ten days
 18. All conditions of Kerala Govt. tenders are applicable in this case also.
 19. Further clarification may be obtained over telephone on working days during 10.30 am to 4.30 pm over phone 0494-2687214, 0494-2686214.

Jayan P R
DEAN OF FACULTY (AGRICULTURAL ENGINEERING)

To : KAU website, KCAET, Website
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