



Government of Kerala
Directorate of Dairy Development Department
Pattom, Thiruvananthapuram

Notice Inviting Tender

Ref:File No: DDDKER/849/2025 F1

Dated 23-12-2025

e-Tenders (online bids only) are invited through Kerala Government official e-Procurement portal <https://etenders.kerala.gov.in> for the **Supply of Fumehood** as per the details and terms and conditions given below.

TENDER DETAILS

Sl No.	Description	
1.	<i>Mode of Tender submission</i>	<i>Online through e-Procurement portal at https://etenders.kerala.gov.in</i>
2.	<i>Tender inviting Authority</i>	<i>Director, Dairy Development Department</i>
3.	<i>Date & Time of Publication of Tender</i>	23/12/2025 4:00 PM
4	<i>Last date with time for receipt of Tender</i>	12/01/2026 4:00 PM
5	<i>Date of opening of Tenders</i>	13/01/2026

6	Estimate Amount	Rs 5,00000/-	
7	Earnest Money Deposit (EMD)	Rs.5000/- 1% (rounded to the nearest rupees) of the total cost, subject to a minimum of ` 1,500	Online Remittance on through https://etenders.ker
8	Tender Fee	0.15% OF COST. ROUND TO NEAREST 100. Max. RS.25000 Rs.750/- + GST@ 18% Rs.135/- = Rs. 885/-	
9	Contact Person of Department of Dairy Development for inquiry of technical details	Smt. Sheeba Khamer Joint Director (SDL) Directorate of Dairy Development, Pattom, TVM Ph:9447620778	
10	Name & address where queries/correspondence concerning this tender is to be sent	Department of Dairy Development, Pattom Palace P O, Pattom, Thiruvananthapu 695004 e-mail: jd-sdl.dairy@kerala.gov.in, cru.ddd@kerala.gov.in Phone: 9447620778 Website: www.dairydevelopment.kerala.gov.in	

TECHNICAL SPECIFICATION

Tender : State Dairy laboratory , Dairy Development Department
Supply of Fumehood (1 no.)
Detailed specifications
Bench-Mounted Laboratory Fume Hood (Bypass Type) with Blower
Tender Specification for Bench-Mounted Laboratory Fume Hood (Bypass Type) with Blower.

Specification	Requirement
External Dimension with Frame (Min Size)	1525(W)*900(D)*2400(H) mm
External Dimension (Min Size)	1525 mm (W) × 900 mm (D) × 1500 mm (H),
Internal Dimension (Min Size)	1240(W)*675(D)*1200(H) mm
Worktop Area	18±1mm thickness, 1240 mm (W) × 750 mm (D)
WORK Top Area Material	Dished Granite
Fume Chamber	Double wall type fume chamber exterior side panels constructed in FRP using superior Vinyl ester resin grade 1 with internal reinforcement to ensure durability and interior lining including baffle is made up of 6 mm thick chemical and heat resistant phenolic resin panels. These panels shall be chemical- and heat-resistant, fire-retardant, smooth in finish, and easy to clean, and shall meet a flame spread index of less than 25 as per ASTM standards.
Vertical Rising Sash	Vertical rising SASH fixed 6 mm toughened glass epoxy coated Aluminium frame and full length aluminum handle counter weighted and balanced The sash shall be a vertical rising type made from 6 mm thick toughened glass, counter-balanced with a pulley and weight system. The clear openable sash height shall be not less than 750 mm, and the operation shall be smooth and effortless.
Drip Cup Dimension(min)	A drip cup of dimensions 120 mm × 260 mm shall be provided on the worktop with proper drainage and a water outlet nozzle at the rear right side
Internal Nozzles, Tap & Valves	Brass
Electrical Accessories	<ul style="list-style-type: none"> • Fluorescent Light -1 nos • 6/16 Amps Socket – 6 • 2 elements fitting switch for light and blower • Switch for light and blower • Aerodynamic Exhaust Collar 250mm
Exhaust System	<ul style="list-style-type: none"> • UV-treated polypropylene (PP) blower with a PP impeller and a three-phase motor. • Noise level below 62 dB • comply with AMCA 210-85 and ISO 5801 standards
Water Line Supply	<ul style="list-style-type: none"> • ¾ PVC line for water Inlet

	<ul style="list-style-type: none"> • 1 ¼ PVC Drain
Ducting	<ul style="list-style-type: none"> • 10-inch diameter duct with adequate structural support, installation of the blower , flexible hose connections, fitting of a rain guard, and a bird mesh
Air foil	Constructed with FRP using superior vinyl esters resin grade 1 with internal reinforcement to ensure durability
Under bench frame	Support frame of 40x40x1.5mm (min)
Storage	Under bench PP Storage cabinet
Base Cabinet	15 mm thick polypropylene
Recommendations or Warnings	Any warning signs would be adequately displayed
Warranty	2 year after satisfactory installation and working. With 3 Free Preventive Maintenance per Year Under Warranty Period.
AMC	Amc Quote for next 5years after warranty
List of Spares and Accessories	List of all spares and accessories (including minor) with part numbers and price, required for maintenance and repairs in future after guarantee/warranty period should be attached
Training	The supplier will have to carry out successful Installation at the laboratory premises (where ever the system has to be installed) and provide on-site comprehensive training for a minimum of two scientific personnel operating the system till customer satisfaction
Quality Requirement	<ul style="list-style-type: none"> • Should be compliant with the requirements of FDA/CE/BIS Electrical safety conforms to the standards for electrical safety IEC 60601- General requirements (or equivalent BIS Standard) . • Should have necessary certification for safety and quality standards from national /International bodies
Declaration of Conformity	Should have CE certificate and the following harmonized standards were applied
IQ/ OQ	On site IQ, OQ of instrument along with document to be provided
After sales service/ Post warranty	<ul style="list-style-type: none"> • Contact details of manufacturer, supplier and local service persons, to be provided, including toll free/ Landline Number; and mobile number
Compliance statement	1. The quote should also include a compliance statement vis-à-vis specifications in a “tabular form”

	<p>clearly stating the compliance and giving justification, if any supported by technical literature. This statement must be signed, with the company seal, for its authenticity and acceptance that any incorrect or ambiguous information found submitted will result in disqualification.</p>
Outage conditions	<p>2. After 2 years of warranty period, 5 years of AMC shall be undertaken by the supplier.</p>
Additional Requirements	<ol style="list-style-type: none"> 1. The bid shall be submitted either by the manufacturer or their exclusive authorized agent, accompanied by a valid certificate of exclusivity. 2. The fume hood shall be designed and manufactured in accordance with international standards. 3. All fume hoods shall be factory tested in compliance with ASHRAE 110 and EN 14175 standards. Additionally, on-site validation for face velocity shall be conducted to verify conformity with international performance norms. 4. The firm and/or its consortium members shall currently hold accreditation from both SEFA and ASHRAE organizations. 5. The bidder shall be certified with ISO 9001:2015, EN14175-2:2023, and ISO 45001:2018. Relevant certificates must be submitted along with the bid. 6. The supplier or brand shall have a minimum of 10 years of industry experience and a proven record of 50 installations in Kerala Government or Central Government institutions. 7. Copies of Purchase Orders and Work Completion Certificates (atleast 10 no) shall be enclosed with the offer as proof of successfully executed laboratory projects in Kerala Government and/or Central Government Research or Academic Institutions. 8. A comprehensive user list of laboratory fumehood installations within India or abroad shall be provided. This list shall include at least 20 recent installations in Government or Public Sector laboratories in India. 9. Detailed specifications of the fume hood, including dimensional and 3D drawings, shall be submitted

	<p>along with the quotation.</p> <ol style="list-style-type: none"> 10. The fume hood shall be provided with a warranty of 2 years from the date of installation. 11. After-sales support, including the availability of spare parts, consumables, and maintenance services, shall be guaranteed for a minimum period of 10 years from the date of supply. 12. Bidding firms shall be registered with the Income Tax and GST authorities. Copies of PAN and GST registration certificates must be submitted with the tender. 13. Tenderers who are currently blacklisted or debarred by the Tender Inviting Authority, any State Government, or Central Government department/organization shall not be eligible to participate during the period of blacklisting. 14. The required size, model, type, and design of the fume hood shall be approved by the designated officer or Engineer-in-Charge. 15. Final color selections shall be confirmed with Directorate of Diary Development, Pattom, Trivandrum, prior to the commencement of production. 16. Site measurements shall be undertaken before production, and all required approvals shall be obtained from Director, Directorate of Diary Development, Pattom, Trivandrum, before fabrication begins. 17. All necessary accessories and items required for installation shall be provided at the time of commissioning. 18. Director ,Directorate of Diary Development, Pattom, Trivandrum, reserves the right to execute the order in phases based on site readiness.
Payment	<ul style="list-style-type: none"> • Payment only after installation, validation and performance
Delivery	<ul style="list-style-type: none"> • 30 Days From the Date of Work Order

**Others	<ul style="list-style-type: none"> • Final layouts for both ducting and plumbing shall be confirmed after actual site measurements, prior to submitting the tender
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Mandatory documents required to be uploaded along with technical bid

Proposed product specifications shall be included as scanned signed copies in the e portal along with Tender

1. Covering Letter
2. General Information of the company and company profile, Company Registration details ,Legal identity
3. Detailed component wise technical specifications as per tender
4. Product certificate and Legal certifications
5. Experience certificate as per tender
6. No. of installations with Customer reference list
7. Copy of work orders(at least 10 nos for last 2 years.
8. Details of service centers and service personnel in Kerala with contact details.
9. Warranty details offered (Minimum 2 years)
10. Details of Annual turn over for last 2 years(minimum 2crores)
11. If the supplier is not the original manufacturer ,authorization certificate has to be submitted along with tender .
12. Undertaking that the Company will give necessary installation and training onsite.

Important Terms and Conditions: Mandatory documents required to be uploaded

1. Bids and Tender Documents, signed physically and/or digitally with a valid Digital Signature Certificate, are to be submitted online only in the designated covers on the official web portal of e Tenders Kerala.
2. Financial Bids should be uploaded only in the specific BOQ form available on the web portal against this Tender. Tenders, which are not in the prescribed BOQ form, are liable to be rejected.
3. Payment of the Total amount of EMD & Tender Fee should be made through Online Payment mode as a Single Transaction only.
4. An agreement should be executed and signed by the Tenderer in the Kerala Stamp Paper of value Rs.200/-. A specimen form of agreement is given in the Tender Documents. Hard Copy of this agreement should be send to the Tender Inviting Authority on award of contract.

5. Online Opening of the Tenders will be done on the specified Date and Time through the official web portal of Tenders Kerala.
6. All items quoted must comply with the respective Specifications mentioned in the Tender notice and Bidders should upload the details and specifications of their items quoted.
7. Rate of the items should be quoted for delivery throughout the state.
8. The final total rates of Kits and reader together will be considered for selection of L1 bidder. No separate item will be considered .
9. One set of testing unit is intended to be installed at each district of the state.
10. The successful tenderer should supply the Items within 20 days of execution of agreement of contract and supply order to each district in Kerala.
11. The Tender Inviting Authority (TIA) will not be responsible for any sort of the delay or the difficulties faced during the submission of bids through online by the bidders.
12. In addition to these all other General Conditions annexed in the Stores Purchase Manual of Government of Kerala are also applicable to this tender.

DIRECTOR