



Government of Kerala
Directorate of Dairy Development Department
Pattom, Thiruvananthapuram

Notice Inviting Tender

Ref : File No: DDDKER/3291/2024-F1 Dated.....

e-Tenders (online bids only) are invited through Kerala Government official e-Procurement portal <https://etenders.kerala.gov.in> for the **SEMI MICRO DUAL RANGE WEIGHING BALANCE- 3 Nos** 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 Public auction of Tender</i> | <i>29/1/25 ,3pm</i> |
| 4 | <i>Last date with time for receipt of Tender</i> | <i>14/2/25 ,4pm</i> |

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| 5 | Date of opening of Tenders | 15/2/25 | |
| 6 | Estimate Amount | 10,00,000/- (after buyback) | |
| 7 | Earnest Money Deposit (EMD) | 10,000/- 1% (rounded to the nearest rupees) of the total cost, subject to a minimum of 1,500 | Online Remittance only through https://etenders.kerala.gov.in |
| 8 | Tender Fee | 0.15% OF COST. ROUND TO NEAREST 100. Max. Rs.25000 Rs.1500 + GST@18% Rs.270= Rs. 1770/- | |
| 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: 04712440074 | |
| 10 | Name & address where queries/correspondence concerning this tender is to be sent | Department of Dairy Development, Pattom Palace P O, Pattom, Thiruvananthapuram . 695004 e-mail: jd-sdl.dairy@kerala.gov.in cru.ddd@kerala.gov.in n Phone: 0471 2440074 Website: www.dairydevelopment.kerala.gov.in in | |

TECHNICAL SPECIFICATION

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|-------|--|--------------|------------------------|
| | STATE DAIRY LABORATORY | | |
| | TENDER SPECIFICATION | | |
| | Semi Micro Weighing Balance 5 Digit Under Buy Back | | |
| SI NO | MINIMUM REQUIREMENTS | | |
| | PARAMETERS | REQUIREMENTS | COMPLIANCE Yes / No |
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| 1 | Weighing Balance 5 Digit - 3 Nos | |
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| 1.1 | Capacity (Full Range/Fine Range) | 220 g / 82 g or Better |
| 1.2 | Minimum Display (Full Range/Fine Range) | 0.1mg / 0.01 mg (0.0001g/0.00001g) |
| 1.3 | Least Count/ Display | 0.00001 g |
| 1.4 | Calibration Weight | Built-in |
| 1.5 | External Calibration Weight Range for Span Calibration | 95 to 220.009 g (200 g) |
| 1.6 | Repeatability (Standard deviation) (Full Range/Fine Range) | 0.1 mg / 0.05 mg or Better |
| 1.7 | Minimum Weight | 20 mg |
| 1.8 | Linearity (Full Range/Fine Range) | ± 0.2 mg / ± 0.1 mg |
| 1.9 | Response Time for race Measurements | 6/2 Sec or Better |
| 1.10 | Response Time (Full Range/Fine Range) | 2 sec. / 8 sec. |
| 1.11 | Display | OEL display /touch screen |
| 1.12 | Pan size | 80-100 mm |
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| 1.13 | Connectivity | 7. USB Host (Type A) 8. USB Device (Type B) 9. LAN (Optional) |
| 1.14 | Other Features | Recipe Compounding / Mixing/Counting |
| 1.14.1 | | HPLC Buffer Solution Preparation/ Statistics /Check Weighing |
| 1.14.2 | | Conversion Function |
| 1.14.3 | | Sample (Concentration) Preparation/ Components/ Formulation |
| 1.14.4 | | Inspection Support Function |
| 1.14.5 | | Clock-CAL |
| 1.14.6 | | Glass Parts of the Draft shield should be Covered |
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| | | to Antistatic |
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| 1.13 | Operating Temperature/Humidity Range | 5 to 40°C 20 to 85% or Better | |
| 1.14 | Sensitivity Stability Against Temperature Range | ±2 ppm/°C (10 to 30°C) or Better | |
| 1.15 | Pan Size | Φ80 mm or Better | |
| 1.16 | Calibration (internal) | <p>7. Fully automatic, time/temperature controlled internal calibration</p> <p>8. Should be capable to adjust itself</p> <p>9. Must be provided with Onsite calibration certificate by an agency accredited by NABL or with traceable to International Standard.</p> | |
| 1.17 | Balance Levelling | <p>Balance should indicate immediately as & when it is required to be levelled and should have the facility for horizontal plane calibration (mercury bubble adjustment), if not otherwise available.</p> <ul style="list-style-type: none"> • Levelling Assistant(Optional) | |
| 2 | ACCESSORIES | | |
| 2.1 | Complete Cables | 1 Set | |
| 2.2 | AC Adapter | 1 Set | |
| 2.3 | Weigh Boat | 50 Nos | |
| 2.4 | In-use Protective Cover | 5 | |
| 2.5 | All other Accessories and Components for Proper Working of Equipment at Full Fledge. | | |
| 3 | BUY BACK | | |
| 3.1 | AUW220D SEMI-MICRO ANALYTICAL BALANCE, 220 G/0.1 MG & 82 G/0.01 MG Shimadzu | 2 Nos | |

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| | Year : 2009 | | |
| 4 | Weight Box traceable to international standards - 1 Set | | |
| 4.1 | Classification | E2 | |
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| 4.2 | Accuracy | OIML R111: E2 with Certificate | |
| 4.3 | Weights | Wire Weights : 1 mg, 2 mg, 5 mg, 10 mg, 20 mg, 50mg, 100mg, 200mg, 500mg, cylindrical weight with knob : 1 g, 2g ,5g ,10g, 20g, 100g, 200g | |
| 4.4 | Features | <ul style="list-style-type: none"> 7. High-grade stainless steel, vacuum melted/Metal with Chemical and Rust resistant Coating 8. Density: 8.0 kg/dm³ 9. Magnetic susceptibility < 0.01 10. One-piece design (Monobloc) 11. Material: special steel, non-magnetizable, density 8.0 g/cm³, highly corrosion-resistant, knob weights highly polished and laser marked, in case. 12. Overload protection 13. FACT automatic internal adjustment(Optional) 14. Internal Calibration | |
| 5 | Operational requirements | 7. Digital display: Backlit display with soft touch screen operation along with accessibility to date and time | |

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| | | <p>etc.</p> <p>8. To have inner adjustable draft shield</p> <p>9. Glass draft shield with flexible configuration for left/right hand operation or Ergonomic door operation for easy handling</p> <p>7. Weighing with automatic and manual start and provision for data interface the manufacturer to provide the specification data needed to facilitate calculation of uncertainty</p> <p>8. Optional: Printer should be available with USB port for data transfer.</p> <p>9. OIML/NTEP approved</p> | |
| 6 | Operating manuals, service manuals, other manuals | <p>Should provide: -</p> <p>7. User, technical and maintenance manuals in English language</p> <p>8. List of equipment and procedures required for local calibration and routine maintenance</p> <p>9. Service and operation manuals to be provided Advanced maintenance tasks documentation, if any.</p> | |

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| 7 | Recommendations or Warnings | Any warning signs would be adequately displayed | |
| 8 | Warranty | 2 year after satisfactory installation and working. With 3 Free Preventive Maintenance per Year Under Warranty Period. The Warranty Includes all the Parts Except Consumables. ** | |
| 9 | AMC | Amc Quote for next 7 years after warranty | |
| 10 | 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 | |
| 11 | 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 | |
| 12 | Quality Requirement | 7. Should be compliant with 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) Certified to be compliant with IEC 61010-1, | |

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| | | <p>IEC 61010-2-40 for safety</p> <p>8. Should have necessary certification for safety and quality standards from national/ international bodies</p> | |
| 13 | IQ/PQ/OQ | <p>On site IQ, OQ, of instrument along with document to be provided &</p> <p>supplier to assist till satisfactory PQ of instrument</p> | |
| 14 | After sales service/ Post warranty | <p>7. Contact details of manufacturer, supplier and local service persons, including toll free/ Landline Number; and mobile number</p> <p>8. Details of Service centres in INDIA and Minimum 2 service Engineers in South India with their names and mobile numbers</p> <p>9. Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed. Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail.</p> | |

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| 15 | Compliance statement | <p>The quote should also include a compliance statement vis-à-vis specifications in a “tabular form” 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> | |
| 16 | Outage conditions | <p>After 2 year of warranty period, 7 years of AMC shall be undertaken by the supplier. This would also include:</p> <ol style="list-style-type: none"> 7. Preventive maintenance service: The seller will provide a minimum of 3 Preventive Maintenance Service visits during a year to the operating base to carry out functional checkups and minor adjustments/tuning as may be required. 8. Breakdown Maintenance Service: In case of any breakdown of the equipment/system, on receiving a call from the buyer, the seller is to provide maintenance service to make the equipment/system serviceable. 9. Response time: The response time of the seller should not exceed 48 hours from the time the breakdown intimation is provided by the Buyer. 10. Maximum repair turnaround time for equipment/system would be 3 days. However, | |

the spares should be maintained in a serviceable condition to avoid complete breakdown of the equipment/system.

11. The Supplier /brand should be reputed with at least 25 users for Semi Micro Weighing Balance in India and able to produce at least 5 performance certificate of same machine from NABL accredited users including Government Labs/Reference labs
12. Company/Brand should have an experience of 10 years in the supply of Semi Micro Weighing Balance.
13. **OEM authorization certificate is required**
14. The delivery challan shall indicate the model number & serial number of items delivered
15. Buyer reserves the right to reject/accept the items based on the market survey
16. The bidder should clearly mention the make and model number in BOQ compliance
17. Quoted price should be inclusive of all taxes ,installation, training, freight loading and unloading

Vertical line 1

Vertical line 2

Vertical line 3

Vertical line 4

Vertical line 5

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| 17 | Additional Requirements | <p>7. The bidders must show technical demonstration of the quoted model online or onsite or other labs at the time of Technical evaluation of bids if requested .</p> <p>8. Semi Micro Weighing Balance, Consumables and Accessories should be from the same manufacturer .</p> <p>9. The instrument shall be delivered with a Verification Test document that certifies that instrument has been performance tested in factory (confirming analysis performance).</p> <p>10. The Instrument shall strictly confirm to the specifications with relevant brochure and photograph and website</p> | |

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| | | information of the product | |
| | Payment | Payment only after installation, validation and performance | |
| | Delivery | 20 Days From the Date of supply Order | |
| | **List of Consumables | 7. No Consumables | |

BUY BACK - 2 Shimadzu semi micro dual range balances AUW 220D .

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| Tender- 1 - Dairy Development Department |
| Supply of Semi Dual Range Weighing Balance -3nos |

Mandatory documents required to be uploaded

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
3. Detailed component wise technical specification of Semi Dual Range Weighing Balance with brochures and compliance statement as per tender notice
4. Product certificate
5. Experience pertaining to supply of Semi Dual Range Weighing Balance for at least 8 years.
6. No. of installations / supplied to Government Labs/NABL Accredited Labs,or Central Government Institutes during last 3 years.Minimum 5 performance certificates to be attached
7. Details of service centers and service personnel in Kerala with contact details.
8. Warranty details offered (Minimum 2 year)
9. Details of Annual turn over of 5 crores or above for the for last 3 years.(attach proof)
10. If the supplier is not the original manufacturer ,authorization certificate has to be submitted along with tender .
11. Undertaking that the Company will give necessary installation and training onsite.

Important Terms and Conditions:

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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. **Bidders who apply for Semi Dual Range Weighing Balance will only be considered for technical tender evaluation. Others will be rejected.**
3. 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.
4. Payment of the Total amount of EMD & Tender Fee should be made through Online Payment mode as a Single Transaction only.
5. 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.
6. Online Opening of the Tenders will be done on the specified Date and Time through the official web portal of Tenders Kerala.
7. 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.
8. The final total rate of Semi Dual Range Weighing Balance will be considered for selection of L1 bidder. The total cost including buyback only will be considered .
9. The successful tenderer should supply the Item within 20 days of execution of agreement of contract and supply order to each district in Kerala.
10. 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.
11. 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