



**KSCSTE - CENTRE FOR WATER RESOURCES
DEVELOPMENT AND MANAGEMENT**
ജലവിഭവ വികസന വിനിയോഗ കേന്ദ്രം

An Institution of Kerala State Council for Science, Technology & Environment, Govt. of Kerala
കേരള ശാസ്ത്ര സാങ്കേതിക പരിസ്ഥിതി കൗൺസിൽ സ്ഥാപനം, കേരള സർക്കാർ



CWRDM/ 42 /2025-A1

25-03-2025

TENDER NOTICE

1. Competitive tenders are invited from the reputed vendors/ firms for the supply of **Analytical Balance** to our Manimalakunnu Sub centre, Ernakulam.
2. Cost of tender form is Rs.448/- inclusive of GST @ 12% and EMD Rs.1500/- shall be submitted along with the tender document by means of Demand draft drawn from any Nationalized/ Scheduled Bank, in favour of Executive Director, CWRDM payable at Calicut.
3. Tender form can be downloaded from CWRDM web site: www.cwrmdm.kerala.gov.in, specification and other relevant details are also available in the web site.
4. Last date / time for submission of duly signed and filled Tender is 04-04-2025 /5PM and Tenders will be opened on next working day at 3.00 PM.
5. Details of Equipment:

Sl No.	Specification	Requirement
1	Measuring Capacity	220g
2	Least count	0.0001g (0.1mg)
3	Readability	0.1mg (0.0001 gm)
4	Repeatability (Standard deviation)	±0.1 mg
5	Linearity	0.2 mg or better
6	Response time	Less than 10 sec
7	Stabilization (typical and fast)	Approx.4.0 sec (0.1mg)
8	Weighing pan	<input type="checkbox"/> Circular/square/rectangular <input type="checkbox"/> Single Pan Top <input type="checkbox"/> Grid type <input type="checkbox"/> Eccentric load deviation 0.2 mg
9	Minimum overall diameter of pan	80-90 mm
10	Tare facility	Yes
11	Calibration (internal)	<input type="checkbox"/> Fully automatic, time/ temperature controlled internal calibration <input type="checkbox"/> Should be capable to adjust itself

		<input type="checkbox"/> Must be provided with calibration certificate by an agency accredited by NABL or with traceable to International Standard.
12	Balance levelling	Balance should indicate immediately as & when it is required to be leveled and should have the facility for horizontal plane calibration (mercury bubble adjustment), if not otherwise available
13	Operational Requirements	<input type="checkbox"/> Digital display: Soft touch screen operation along with accessibility to date and time etc <input type="checkbox"/> To have inner adjustable draft shield <input type="checkbox"/> Glass draft shield with flexible configuration for left/right hand operation <input type="checkbox"/> Weighing with automatic and manual start and provision for data interface the manufacturer to provide the specification data needed to facilitate calculation of uncertainty
14	Environmental factors	<input type="checkbox"/> Safety for electromagnetic compatibility <input type="checkbox"/> Permanent shock absorption facility <input type="checkbox"/> Capacity of operating in temperature range between -5 deg C to 45 deg C and relative humidity of 80%
15	Supplier/ manufacturer	Must be ISO certified for quality
16	Service Contract clauses, including prices	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
17	Operating manuals, service manuals, other manuals	Should provide:- User, technical and maintenance manuals in English language List of procedures required for local calibration and routine maintenance Service and operation manuals to be provided Advanced maintenance tasks documentation, if any.
18	Warranty	one year after satisfactory installation
19	Training	The supplier must 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
20	Quality Requirement	

		<input type="checkbox"/> Should provide balance and weight box calibration certificates from NABL accredited agency at the time of installation and every year during warranty <input type="checkbox"/> Should have necessary certification for safety and quality standards from national/international bodies
21	After sales service/ Post warranty	<input type="checkbox"/> Contact details of manufacturer, supplier and local service agent to be provided, including toll free/ Landline Number <input type="checkbox"/> Should have a good after sales service/technical support capable of reaching at short notice the places where instrument is installed <input type="checkbox"/> Visits and unlimited breakdown calls by service/application support, engineers should attend immediately without fail.
22	Payment	Payment only after installation, validation and performance Demonstration

Tenderer/Firms Should be registered under GST

Registrar