



KISUMU WATER AND SANITATION COMPANY LIMITED

CLARIFICATION NO 2 - TENDER NO. KWSC/13/2026-2027: SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT AND APPARATUS – 23RD JULY 2026

No	Topic	Question	Clarification
1	General Clarification	To confirm whether the tender evaluation will be conducted on an item-by-item basis or as a single lot covering all 90 items	The evaluation will be conducted as a whole some and not on an item by item basis. This is a framework contract and KIWASCO will sign a contract with the bidder who shall be deemed to be the lowest evaluated bidder.
2	Item 2 – Vacuum Filtration Apparatus	To clarify required funnel capacity.	The funnel capacity is 300ml.
3	Item 3 – Analytical Balance	To confirm whether we require internal or external calibration	Self-Calibration
4	Item 4 - Oven	Capacity in Litres? Forced or natural convection?	250L Capacity forced convection
5	Item 5 - Flocculator	Number of paddles?	6 Paddles
6	Item 10 – Field Multiparameter Water Quality Meter	Required Cable Length	Minimum 4 Metres
		Require depth measurement?	No
		Configuration	One complete instrument capable of measuring a minimum of the parameters specified in these technical specifications

7	Item 85 – Membrane Kit + Pump	Funnel Capacity? Material?	Funnel capacity is 300ML and the material is stainless steel.
8	Item 87 – Membrane Filtration Kit	Funnel Capacity? Material?	Funnel capacity is 300ML and the material is stainless steel.
9	Delivery Schedule	Required delivery period of 45 days. Can this be extended to at least 8 weeks?	The Public Finance Management Act Section 53(1) required that goods should be delivered within 30 days from date of LPO. We are a public entity and we must follow the law. Ours is even a bit flexible as you will note. So, we cannot extend this. Also note that this is a framework contract. Therefore you will not be required to deliver all the items in the tender at once but will be delivered on call.
10	Scope of bid	Whether bidders to submit complete bid for all items or do partial bids	Partial bids are not allowed. You are required to quote for all items as has been explained in (1) above.
11	Extension of Bid Submission Deadline	Requesting and extension deadline to 8 th of August 2026	The law requires the we give a minimum of 7 days and over. We gave 14 days which is sufficient for this tender. Remember, there are other processes that follow your bid submission which we must also adhere to.
12	Item 43: Chromatography System	Required detection limits for fluoride, chloride, nitrite, bromide, nitrate, phosphate and sulfate	Integrated high-sensitivity conductivity detector with suppressed conductivity detection; dynamic working range requiring no manual range switching Measuring range: 0–15000 µS/cm without range switching
		Is an autosampler required , and if so what minimum sample capacity is preferred?	Not required
		Detection technique - confirm whether suppressed conductivity detection is required for enhanced sensitivity and compliance with standard water analysis methods.	Integrated high-sensitivity conductivity detector with suppressed conductivity detection; dynamic working range requiring no manual range switching Measuring range: 0–15000 µS/cm without range switching
		Pump - specify any requirements for flow precision or flow accuracy.	Precision isocratic pump; flow range approximately 0.001–20 mL/min
		Suppression for anions analysis - confirm on the type of suppression required and method of suppression	Chemical suppressor module included as standard, minimum suppressor lifetime warranty of 10 years Regeneration STREAM with peristaltic pump or equivalent

		Regeneration System - specify the regeneration method required.	
		Software - data management - what software functionality is required for instrument control, data acquisition, processing, reporting, and result management?	GLP/FDA-compliant chromatography software
		Compliance needed?	System must support internationally recognized water-testing methods (e.g., ISO/EPA-compatible methods for anion determination) CE Conformity
		System configuration - confirm the detailed list of all hardware, software, accessories and ancillary items to be included in the offered configuration.	Equipment to be supplied with: Desktop/Laptop-PC UPS Anion standards & reagents Phosphoric Acid, AR grade -2.5L Sodium Hydrogen Carbonate, >99.5% -500g Sodium Carbonate, Anhydrous, >99.5% -500g Chloride Standard, 1000 ppm, IC Grade -100ml Fluoride Standard, 1000 ppm, IC Grade -100ml Nitrate Standard, 1000 ppm, IC Grade -100ml Nitrite Standard 1000mg/L Nitrite for IC -100ml Sulfate Standard, 1000 ppm, IC Grade -100ml Bromide Standard, 1000 ppm, IC Grade-100ml Micropipettes and tips Pipette Adjustable 10- 100µl – qty 1 Pipette Adjustable 100- 1000µl - qty 1 Research Plus, Adjustable 1000 -10000µl - qty 1 2-200µl microtips pk/96 - qty 1 50-1000Ul microtips pk/96 - qty 1 Ep T.Ips 0.5 – 10 mL 120 tips - qty 1

		The IC requires Type 1 water of electrical resistance of 18.2 MΩ·cm at 25°C , please confirm if this has been factored in the requirement/scope of supply.	Yes, this has been factored in the scope of supply (not the purification system): Ultrapure water: ASTM Type I water with a resistivity of 18.2 MΩ·cm at 25°C, TOC ≤ 5 ppb. Laboratory projected usage is about 100-200 litres per year.
		Accessories and consumables Specify on the basic accessories required and minimum quantity Specify the required CONSUMABLES minimum quantities for each	As specified above
		Deliverables and Support What is the minimum warranty period required?	Minimum 1-year instrument warranty, 5 years software support, 10 years spare parts availability guarantee
13	Item no.13 Auto Titrator system	Please confirm the preferred approach for endpoint determination , or is it be open to different titration methodologies?	The endpoint determination is not restricted to a single methodology. The offered auto titrator shall support automatic potentiometric endpoint determination using both Equivalence Point and Set Endpoint titration modes, with dynamic and/or monotonic titration capability. The system shall be suitable for acid-base, redox, and complexometric titrations required for determination of total hardness, alkalinity, sodium carbonate purity, aluminium sulphate purity, and calcium hypochlorite
		Are there any requirements regarding the types of sensors or probes to be used with the system	Acid-base , Redox and complexometric sensors/probes compatible with the intended analysis as above.
		Compliance needed for the equipment?	System must support internationally recognized methods (e.g., ISO/EPA, ASTM-compatible methods CE Conformity
		Accessories and consumables Specify on the basic accessories required and minimum quantity	Equipment to be supplied with: Desktop/Laptop Electrode cables and connection accessories- Complete set Reagent bottle holder Electrode holder assembly

		Specify the required consumables minimum quantities for each	Electrode cables- 3 One (1) stirrer rod suitable for the titration stand. Electrolyte NH ₄ NO ₃ 1 mol/L- 250ml Electrolyte 3 mol/L KCl -250ml TEABr 0.4 mol/L in ethylene glycol -250 mL Electrodes for: Acid-base, redox, complexometric (EDTA), non-aqueous, precipitation. Qty 1 each
		Deliverables and Support - What is the minimum warranty period required?	Minimum 1 year instrument warranty and spare parts availability guarantee

***** END OF CLARIFICATIONS*****

Note: All other terms and conditions of the tender remains the same including the tender closing date.



Antony Ogowang
For Managing Director