



NAKURU RURAL WATER AND SANITATION COMPANY LIMITED

SUMMARY OF PROCUREMENT PROCEEDINGS F/Y: 2022-2023.

Procuring Entity: Nakuru Rural Water and Sanitation Company.

Financial Year: 2022-2023.

Tender/Quotation No: NRW/02/2022-2023.

Description Of the Tender: Supply and Delivery of Cold-Water Meter, HDPE Pipes and Fittings for Last Mile Connectivity in Kasarani, Kaloleni and Matuiku Areas of Elburgon Township.

Requisition No: 3240

Procurement method: Open Tender

	Procurement Stage	Indicators	Information on Indicators (fill as appropriate)
1	Invitation and Tender opening	Tender Invitation/advertisement date	5 th December 2022
		Tender closing/opening date	19 th December 2022
		Number of bidding document issued	Nil
		Number of bids received	10
		Names of tender opening committee members	1. Kiplangat Kelong- Chairperson 2. Roseline Chepkorir- Secretary 3. Kennedy Nyakundi- Member

		Number of bidders present		
2	Tender evaluation	Evaluation committee	Names of the tender evaluation committee members	1. Teresia M Nganga-Chairperson
				2. Elizabeth Langwech-Secretary
				3. Edward N Mwangi-Member
		Specify consultants/external experts involved in evaluation if any	Name	N/A
			Profession	N/A
			Organization	N/A
			Number of bids evaluated.	10
			An extract of the evaluation criteria*	Annexed 1
			Number of bids passed preliminary evaluation	3
	Number of bids passed technical evaluation stage	3		
	Name of the recommended/successful bidder and the price	Noor Consult Limited		
	Date evaluation was concluded	18 th /01/2023		
	Date evaluation report was forwarded/submitted to the head of procurement function	19 th /01/2023		
3	Procurement professional opinion	Date the professional opinion was issued	20 th /01/2023	
4	Tender Award	Date of approval/rejection of the award	13 th /02/2023	

5	Notification of award	Date the notification to award a tender was sent	27 th /01/2023
6	Contract execution	Date the contract was signed	13th/02/2023

Prepared By: Head of Procurement Function

Sign:



Date: 30/3/2023.



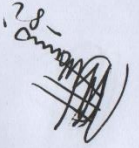
A.MANDATORY EVALUATION.

The table below demonstrates the responsiveness of the bidders.

S/N o	Evaluation criteria	Bidder 1	Bidder 2	Bidder 3	Bidder 4	Bidder 5	Bidder 6	Bidder 7	Bidder 8	Bidder 9	Bidder 10
1	Valid VAT/KRA PIN certificate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	Valid registration certificate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Valid tax compliance certificate	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	Written power of attorney to authorize the signatory of the Tender to commit the Tenderer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	Business registration with count government	✓	✓	✓	✓	✓	*	✓	✓	✓	✓

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5	Certified copy of CR 12 Form indicating Directorship of company	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	Submission of audited books of accounts for the last three (3) years	*	✓	*	✓	✓	✓	*	*	✓	✓
7	Non-returnable sample meters indicated samples	✓	✓	*	✓	✓	*	*	✓	*	✓
8	Manufactures authorization for meters and pipes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	Valid Tender security(Bank guarantee) 2% of tender sum	✓	✓	*	✓	✓	*	✓	✓	✓	*



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B. TECHNICAL EVALUATION.

Basing on the above responsiveness of the bidders, Bidder 2,4 and 5 passed the mandatory responsiveness and proceeded to the next level of technical evaluation.

The table below demonstrates the technical responsiveness of the bidders.

Technical Requirement	Description	YES/NO	YES/NO	YES/NO
		Bidder 2	Bidder 4	Bidder 5
Required Certificates	Type approval certificate: Either according to EN ISO 4064: 2014, or OIML R49:2013, MID 2014/32/EU-to be provided during delivery Manufacturer's authorization to sell, KEBS authorization certificate	Yes	Yes	Yes
Communication mode	AMR enabled for remote connectivity and smart meter reading	Yes	Yes	Yes
Meter Type	Velocity type	Yes	Yes	Yes
Class of Meter	Class R >250, Accuracy class	Yes	No	No
Sizing of Meter	DN 15 Both the inlet and outlet are threaded and same size and on the same axis to ease connection to pipes via connectors. The corresponding fixed set of dimensions to BS 5728/1, ISO 4064 – 1: 2014	Yes	Yes	Yes
External Case Bolts	Meter liners made of brass, meter seals made of rubbers material, meter casing-co-polymers, bolts and nuts mad of food grade stainless steel material	Yes	Yes	Yes

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A blue signature or scribble below it.
A large, dark, scribbled-out mark at the bottom right, possibly a signature or stamp.

Dial type	Circular, with straight reading (M ³), in a transparent capsule, Dry dial (protective propylene glycol or glycerin)- dial not in contact with water flowing			Yes	Yes	Yes	
counter	Temper proof glass with thickness of 5mm, scratch resistant, clockwise resistant, with multiplier scale in factors,			Yes	Yes	Yes	
Metrological requirements	Q _s = Starting Flow rate.			Yes	Yes	Yes	
	DN	Mm	15				Max length of meter & connector
	L	Mm	110				250mm
	Q₃	m³/h	2.5				
	Q₃/Q₁	R	250				
	Q_s	m³/h	<6				
	Q₁	m³/h	0.01562				
	Q₂	m³/h	0.025				
	Q₄	m³/h	3.125				
Metrological requirements	DN	Mm	20	Max length of meter & connector	Yes	Yes	Yes
	L	Mm	260	350 mm			
	Q₃	m³/h	4				
	Q₃/Q₁	R	160				
	Q_s	m³/h	< 2				
	Q₁	m³/h	0.025				
	Q₂	m³/h	0.04				
	Q₄	m³/h	7.875				

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Metrological requirements	DN	mm	25	Max length of meter & connector	Yes	Yes	Yes
	L	mm	260	400 mm			
	Q₃	m³/h	6.3				
	Q₃/Q₁	R	200				
	Q₅	m³/h	20				
	Q₁	m³/h	0.03975				
	Q₂	m³/h	0.063				
	Q₄	m³/h	7.875				
Accuracy class and maximum permissible error (MPE)	Accuracy class 2 water meters The water meter shall be designated as accuracy class 2. The Maximum Permissible Error (MPE) for the upper flow rate zone ($Q_2 \leq Q \leq Q_4$) shall be $\pm 2\%$, (for temperatures from $0.1\text{ }^\circ\text{C}$ to $30\text{ }^\circ\text{C}$ and $\pm 3\%$ for temperatures greater than $30\text{ }^\circ\text{C}$). The MPE for the lower flow rate zone ($Q_1 \leq Q < Q_2$) shall be $\pm 5\%$ regardless of the temperature range.				Yes	Yes	Yes
Tightness, pressure, and temperature resistance	Meters are watertight, Working pressure PN16 Test pressure 2.5 x meter PN Temperature range cold water meter $50^0\text{ }^\circ\text{C}$				Yes	Yes	Yes
Rotary piston and Meter PH	Smoothly finished with thrust rollers PH 6.5 – 8.5				Yes	Yes	Yes
Material Requirement	The material should be resistant to normal exposures, The meter body shall be UV stabilized co-polymer, NOT plastic. The meter body material to be specified in the brochure clearly. The water meter shall be threaded. The meters shall be supplied complete with a set of connectors that are made of copper alloy or equivalent material resistant to corrosion, rust, and damage due to shock or vibration. The connectors shall be threaded to the correct male size, comprising cap nuts, linings, and fiber sealing washers. The meter linings shall have adequate provisions to safeguard against tampering.				Yes	Yes	Yes

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 [Signature]

Additional Technical Requirement	All meters shall be provided with effective inlet strainers, close fitting and designed for easy removal. Inlet strainers shall be of nickel-plated copper, stainless steel or other materials having satisfactory characteristics. All meters shall be delivered calibrated, The meter is permanently sealed to avoid tampering	Yes	Yes	Yes
Non-return Valve	The meter shall have inbuilt Non – Return Valve to reduce the risk of water meter reversal fraud.	Yes	Yes	Yes
Marks and Inscriptions	Direction of flow by means of an arrow should be shown on the body and easily visible under all circumstances, Nominal diameter Nominal Flow rate value – Q ₃ Class ratio Q ₃ /Q ₁ Temperature class Serial Numbered Unit of Measurement Maximum Admissible pressure (MAP) Name or trademark of the manufacturer Year of manufacture	Yes	Yes	Yes
Engraving	Must be ENGRAVED NARUWASCO + Serial number on side reduce the chance of theft.	Yes	No	No
Additional Non-Technical Requirements	Warranty: The minimum warranty period shall be two years. The supplier must produce a warranty document that shall be signed upon acceptance. The water meter manufacturer must guarantee that the meter will perform at its optimum accuracy throughout its lifespan with only the removal of silt. Manuals: Maintenance & Installation manuals and data sheets (in English) shall be provided.			

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Testing	Before authorizing payments and upon delivery after the award of contract, the company will be sampling 10% of the meters at random. A batch will be considered as failed if one or more meters do not comply with the established technical specifications or have failed the tests. Under these circumstances, the specific batch of meters has to be rejected. A random batch of 5% in every batch of 100 meters will be selected by a representative of the NARUWASCO's technical department. The tests must be conducted by a Kenya National Accreditation Service (KENAS) Accredited Meter Testing Laboratory such as KEBS or Nyeri Water and Sewerage Company Ltd. The costs for testing shall be taken over by the supplier. Furthermore, the supplier has also to bear the costs for replacement if rejected.	Yes	Yes	Yes
Sample	The bidders must submit two (2) non-returnable sample of a meter during delivery of the tender clearly labelled SAMPLE . DN 15- 1 meter DN - 20 1 meter Tested for accuracy and pressure at KEBS	Yes	Yes	Yes

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Flow meter (DN)	DN 15	DN 20	DN 25
Length (mm)	250mm	350mm	400 mm
Starting flow rate (l/h)	< 2	< 2	< 8
Q1 M ³ /h	0.025	0.04	0.063
Q2 M ³ /h	25	40	63
Q3 M ³ /h	4	6.4	10.08
Q4 M ³ /h	3.125	5	7.9
R	250	200	200
Pressure class (bars)	PN 16	PN 16	PN 16
Outer casing material	Co-polymer	Co-polymer	Co-polymer
Strainer & Non return valve	yes	Yes	Yes
Pre-equipped remote reading	Yes-AMR enabled	Yes-AMR enabled	Yes-AMR enabled

HDPE PIPE SPECIFICATIONS

Supply and Delivery of pipes and fittings