



**Kenya Bureau of
Standards**
Standards for quality life

ADDENDUM NO 1 FOR TENDER NO: KEBS/T025/2018/2019

OUR REF: **KEBS/T025/2018/2019**

30th April 2019

TO: ALL INTERESTED BIDDERS – ADDENDUM NO.1 CLARIFICATIONS AND RESPONSES TO QUESTIONS

*Reference is made to the above tender for **SUPPLY, DELIVERY, INSTALLATION AND USER TRAINING OF LABORATORY EQUIPMENT** which we would like to make the following clarifications:*

QUESTION 1

Item 13: Freeze Dryer: Please be informed that tendered instrument is from a single manufacturer. When, we have contacted the manufacturer and surprisingly, we have been informed that they are working in this project exclusively. As the technical evaluation criteria is based on score/marks weighting. In such situation, the competition is conflict to the tender procurement laws and conditions of open tender. Hence, we would request to kindly amend the tendered specifications by standard technical specifications to meet end-user's correct applications, so as to enable us to Bid by the support of other Manufacturer (s). In the specification the requested manifold is with 24 ports whereas the adaptors are requested for 12. Kindly reconfirm the exact quantity.

ANSWER

Freeze Dryer item 13 -specs as in the tender document and adapter number 24.

QUESTION 2

Item 19: Diode Array NIR:

Please confirm the below points to offer a suitable product.

- Please confirm do you require the unit with an inbuilt display and additionally a stand-alone PC?
- Please confirm the wavelength requested is from 950 to 1650 nm which doesn't cover the complete NIR range of 860 to 2500 nm.
- As per the tender document there is a point mentioned as number of detectors should be 256, Please note the number of detectors in a single NIR unit cannot be 256, we hope it was a typographical mistake, kindly re-evaluate and confirm the correct requirement.
- SIMPLUS and Unscrambler are brand names which should not appear in a bid document. Therefore, this is conflict to the tender procurement laws and conditions of open tender

ANSWER

The specifications to remain as in the tender document.

QUESTION 3

Kindly provide quantity for below list of items.

Item 5: Salmonella Rapid Test

Item 9: Centrifuge

Item 20: Complete High-Performance Liquid Chromatography (HPLC) System

Item 29: Digital Muffle Furnace

Item 98: Density meter

Item 101: Water Meter

ANSWER

Salmonella rapid kits test Item 5 – 2 in number

Centrifuge item 9- 1 in number

Item 20: Complete High-Performance Liquid Chromatography (HPLC) System -1 in number

Item 29: Digital Muffle Furnace -1 in number

Item 98: Density meter -1 in number

Item 101: Water Meter-1 in number

QUESTION 4

Item 2. Digital Density Meter

Kindly clarify if you want a density meter with;

a) accuracy: density 0.00005 temp 0.03c repeatability: density 0.00001 temp 0.01c

b) accuracy: density 0.000005 temp 0.01c repeatability: density 0.000001 temp 0.001c

ANSWER

Accuracy: density 0.00005

Repeatability: density 0.00001

Temperature accuracy:0.01oC

QUESTION 5

Item 10. & 11. Electrical Air Ovens

You have asked for a Forced air circulation oven with an adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT- colour displays. Do you really need 2 Displays?

ANSWER

Specifications remain as in Tender the document.

QUESTION 5

Item 100: Microwave digester

You have asked for Two sizes of digestion vessels: One set for vessels of volume between 10 and 15 ml, and one set for vessels of volume > 25 ml 50 vessels 10-15 mL 30 vessels \geq 25 ml

Please confirm we supply 50 vessels in total which can accommodate both 10-15ml and 25ml. This will save on cost as well as the need for different vessels and tools. It is better to have one type of vessel that can accommodate up to 25ml, and vessels are generally manufactured this way.

Additionally, as the volumes requested are up to 25ml, you will not need a vessel with a capacity larger than 50ml. Kindly confirm the vessel should be up to 50ml

ANSWER

The vessel capacity should be **50 ml** max (Loading capacity of up to 25ml)

QUESTION 6

Item 86. pH Meters – You have asked for pH meters, but the specifications given are not clear. Kindly clarify if you require Benchtop or Portable pH meters and please specify the range required.

Item 87. Conductivity/TDS meters – Please note that the specifications given are not clear. Kindly clarify if you require Benchtop or Portable Conductivity/TDS meters and EC/TDS ranges.

Item 89. Single quartz control plates – Please note that you have asked for Single Quartz Control Plates and given specifications of a Saccharomat Touch Polarimeter. Kindly clarify and confirm that you require the single quartz control plates or the Saccharomat touch polarimeter

ANSWER

Item 86

ph Meter Calibration	Programmable mV source		
	Voltage source up to ± 32 V and current source up to ± 200 mA		10
	5 1/2-digit, 120000-count output resolution		6
	Programmable output up to 10,000 points		2
	Built-in USB mass storage device with rs232 interface		3
	Channel expansion through synchronous operation		3
	Source Range		

	±12.0000mV at resolution of 100nV		8
	±120.000mV at resolution of 1µV		8
	±1.20000V at resolution of 10µV		8
	±12.0000V at resolution of 100µV		8
	± 32.000V at resolution of 1mV		8
	±200 mA for current		8
	Others		
	User manual		3
	Certificate of calibration that is traceable		10
	Data logging software and connecting cables		15
		Pass mark 90%	100

Item 87

EC/conductivity meter calibration	EC - Range	0.000 to 9.999 µS/cm; 10.00 to 99.99 µS/cm; 100.0 to 999.9 µS/cm; 1.000 to 9.999 mS/cm; 10.00 to 99.99 mS/cm; 100.0 to 1000.0 mS/cm absolute EC	8
	Resolution	0.001 µS/cm; 0.01 µS/cm; 0.1 µS/cm; 0.001 mS/cm; 0.01 mS/cm; 0.1 mS/cm	9
	Accuracy	±1% of reading (±0.01µS/cm)	8
	Calibration	automatic standard recognition, user standard single point/multi-point calibration	2
	Temperature Coefficient	0.00 to 10.00%/°C	2
	TDS - Range	0.000 to 9.999 ppm; 10.00 to 99.99 ppm; 100.0 to 999.9 ppm; 1.000 to 9.999 ppt; 10.00 to 99.99 ppt; 100.0 to 400.0 ppt actual TDS (with 1.00 factor)	8
	Resolution	0.001 ppm; 0.01 ppm; 0.1 ppm; 0.001 ppt; 0.01 ppt; 0.1 ppt; 0.001 ppm; 0.01 ppm; 0.1 ppm; 0.001 ppt; 0.01 ppt; 0.1 ppt	10
	Accuracy	±1% of reading (±0.01 ppm)	8
	Resistivity - Range	1.0 to 99.9 Ω • cm; 100 to 999 Ω • cm; 1.00 to 9.99 KΩ • cm; 10.0 to 99.9 KΩ • cm; 100 to 999 KΩ • 1.00 to 9.99 M Ω • cm; 10.0 to 100.0 MΩ • cm	5
	Resolution	0.1 Ω • cm; 1 Ω • cm; 0.01 K Ω • cm; 0.1 K Ω • cm; 1 KΩ • cm; 0.01 MΩ • cm; 0.1 MΩ • cm	5
	Accuracy	±2% of reading (± 1 Ω • cm)	5

	EC Probe	platinum, four-ring EC/TDS probe with a 1m cable (included), with spare probe bundled	6
	Logging	records 100,000 data point storage/channel with AutoHOLD	5
	Display	Colour graphic LCD with on-screen help, graphing, and custom colour configuration	2
	PC Connection	USB including cables and necessary logging software	10
	Approx Dimensions/Weight	160 x 231 x 94 mm/1.2 kg	2
	Valid and traceable calibration certificate		5
		Pass mark 90%	100

Item 89	Polarimeter/Saccharimeter calibration standards	4	-Manufactured to the specifications laid down by I.C.U.M.S.A. (The International Commission for Uniform Methods of Sugar Analysis)	5	
			-Quartz plates should be made of acid resistant materials	10	
			-The plates should have values on or near the following test points; +100°Z, +75°Z, +50°Z, +25°Z (units as referenced in the International Sugar Scale)	60	
			Quartz plate Dimensions	10	
			-Length : 120mm		
			-Support Collar Diameter : 30mm	5	
			-Maximum height above optical centre : 15mm		
			-Weight (approx) : 255g	10	
			Protective Wooden Box for each individual plate		
			-Size (l x d x h) : 160mm x 62mm x 52mm		
			-Weight : About 200g		
			Valid certificate of calibration for each quartz plate (Traceable Calibration certificate with tests at each applicable wavelength)		
			Total	100	
			Pass mark 90%		

QUESTION 6

Item 98. Density Meters –

Kindly clarify on the accuracy and resolution of the meter and if you require a Benchtop or a Portable one

ANSWER

Item 98	Density meter	a) Measurement range:	0.6000-2.0000g/ml	30	
		b) Temp.:	Density at 20°C	25	
		c) Resolution :	0.00001g/ml	25	
		Desk top		10	
		To be supplied with calibration certificate from an accredited laboratory.		10	
		Total		100	
		Pass mark 90			

QUESTION 7

ITEM 100 is Microwave digester system Automated Microwave Digestion System

QUESTION 8

You have indicated a warranty of 12 months is required, however in technical specifications, you have asked for 2-year warranty. Kindly clarify warranty period, bearing in mind standard warranties are usually 12 months as any manufacturing defects are picked up in the first year of use.

ANSWER

The warranty period to be 12months

QUESTION 9

Tender Security

ANSWER

The tender security shall be denominated in Kenya Shillings or in another freely convertible currency and shall be in the form of bank guarantee issued by a reputable bank, or insurance guarantee approved by the Authority and valid for 30 days beyond validity of the tender

ALL OTHER CONDITIONS REMAIN THE SAME.

**THE MANAGING DIRECTOR,
KENYA BUREAU OF STANDARDS,
P.O. BOX54974 - 00200
NAIROBI.**