



**Kenya Bureau of
Standards**

Standards for quality life

KEBS/T016/2021/2022

11TH MAY, 2022

TO: ALL INTERESTED BIDDERS

**REF: ADDENDUM –NO. 1 KEBS/T016/2021/2022- SUPPLY, DELIVERY,
INSTALLATION AND USER TRAINING OF TESTING LABORATORY EQUIPMENT.**

The Kenya Bureau of standards wishes to provide the following clarification:

1. RELATIONSHIP WITH THE PRINCIPAL TENDER DOCUMENT

Save where expressly amended by the terms of this addendum, the Principal Tender Document shall continue to be in full force and effect.

The provision of this addendum shall be deemed to have been incorporated in and shall be read as part of the Principal Tender Document.

Clarification

2. Your laser speed measuring simulator please advise where the product will be used at. Is it for highway traffic?

RESPONSE:

The simulator is for the calibration of the laser speed measuring devices used for highway traffic.

3. Technical clarification; From the tender document it is not clear whether the tender is lot wise or not. The items are listed as per departments. Please note that it is difficult for bidders to bid for all the items as listed per departments. Kindly confirm that it is not a must that bidders quote for all the items as listed per departments. This will guarantee you quality after sales support from the respective bidders when you allow them to supply items they have specialized in.

RESPONSE:


The bidders are required to quote per item and not as a lot and it is not a must for bidders to quote for all the items.

4. Are Forms FIN 3.1 and 3.2 part of mandatory requirements?

RESPONSE:

Bidders are required to fill the forms i.e 3.1 and 3.2

5. ITEM 1. AUTOMATIC SACCHARIMETER

Approved

12/05/2022

Kindly confirm if the following optional listed accessories are required.

a). Under Main Features item no c) states- Fitted with standard air pump- the standard air pump is used

i. to discharge the sample from the cell

ii. to clean/dry the sample cell inside

Kindly confirm if standard air pump should be supplied.

Response:

Should be supplied

b). Under Main Features item no e) states- Interfaces: 4 USB, RS232, Ethernet, VGA, CAN, bus Easy connection of keyboard, mouse, printer, bar code reader and networks

Please note that keyboard, mouse, printer, bar code reader, and network cables are available optionally. Kindly clarify if the above accessories should be included in the quotation.

Response:

Should be supplied or equipment quoted for must comply with this requirement

c). Under Performance Specifications item no g) states- Wavelengths: 589 nm and optionally 880 nm.

The standard wavelength is 589 nm. Kindly confirm if wavelength of 880 nm will be required

Response:

880nm will also be required

d). Under Performance Specifications item no j) Sensor: PT100 sensor input for sample temperature measurement.

The Pt 100 temperature sensor is used for temperature calibration. Kindly confirm if the PT sensor should be included.

Response:

Should be supplied.

e). Under Performance Specifications item no k) Filling check: Built-in camera for monitoring the filling process of the sample cell.

The FILLINGCHECK is a live video of filling and sample condition inside cell for maximum security, data traceability, and to avoid errors caused by bubbles or impurities. Kindly confirm if the filling check should be included.

Response:

Should be supplied

f). Under Performance Specifications item no l) Temperature control: Peltier system for automatic temperature control between 15 °C and 45 °C.

Peltier system is used for fast and precise automatic temperature control. Kindly confirm if this is required.

Response:

Should be supplied

g). Under Performance Specifications item no m) Sample cell: Wireless automatic identification of sample cells.

Kindly confirm if automatic identification of sample cells is required.

Response:

Should be supplied

h). Under Performance Specifications item no n) Accessories.

i. Data processing software. Kindly note that MCP 5300 SUCROMAT can work as a standalone with its own internal software without the computer. Kindly confirm Desktop Software should be supplied.

Response:

Desktop together with the stated software compliant with the specifications given should be supplied

ii. Please confirm if a computer for the above software will be provided by yourselves.

Response:

Bidder responsible for supply of the computer

iii. Temperature validation needle for 200nm sample cell used for the validation of the temperature measurement of a Toolmaster sample cell. Kindly confirm if this is required.

Response:

This is required

iv. Milkkelvin thermometer for the temperature measurement. Kindly confirm if this is required.

Response:

This is required

v. Kindly confirm if temperature sensor for temperature calibration is required.

Response:

This is required

vi. Connection to abbemat refractometer. Kindly confirm if Cables to enable connection of the refractometer (Abbemat) to the polarimeter- (Sucrolyser) is required.

Response:

This is required

6. ITEM 4: AUTOMATED DISTILLATION UNIT •

For the fire extinguisher CO2 gas bottles will be required. Kindly confirm if this will be provided or will be bidder's responsibility.

Response:

Bidder responsibility

7. ITEM 5: AUTOMATED MULTI-RANGE VISCOMETER •

You have indicated that your application is Simultaneous testing of two samples at two different temperatures with integrated auto samplers. What two temperatures will you be doing your measurements at?

Response:

40 °C and 100 °C

- What are your samples?

Response

Petroleum products (Liquid lubricants, diesel)

- You have stated that the standard test method required is ASTM D445, IP 71 section 1 ISO 3104 and EN ISO 3104. By measuring dynamic viscosity according to ASTM D7042 and density according to ASTM D4052 (which is a more advanced technology) Kinematic viscosity can be obtained which is equivalent to ISO 3104 or ASTM D445. Kindly confirm if ASTM D7042 is also acceptable.

Response:

D7042 is not applicable

8. METROLOGY ITEM 9: DENSITY METER. Please note that the specifications as they are don't highlight the specific application of the density meter. Density meters vary in models depending on the samples being tested/application. Clearly stating the samples to be tested allows bidders to quote for a model which best suits your application. Please specify the samples to be used with it?

Response:

The samples to be used are distilled water, mineral oils, ethanol and sucrose solutions.

The cleaning agent to be used is petroleum spirit.

**9. We seek your clarification on the award criteria for the subject tender as below;
Will the tender be award per item or as one lot?**

Response:

The award will be per item and not as a lot. Refer to tender Data Sheet ITT 43.

10. Deadline for submission and opening of the tender remains the same 18th May, 2022 at 10.00 a.m East African Time.

NOTE: THIS ADDENDUM SHALL BE CONSTRUCTED TO FORM PART OF THE TENDER DOCUMENT

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME

MANAGING DIRECTOR