



## REQUEST FOR QUOTATION (RFQ)

RFQ No. ASLM/MED/EQUIP/05/14/24

### FOR THE SUPPLY & DELIVERY OF EQUIPMENT & SUPPLIES- NIGERIA AND MOZAMBIQUE

**CLOSING DATE: 27 MAY 2024**

**When replying to the RFP, please mention the RFP No in the subject line**

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#### 1.0 INTRODUCTION

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The African Society for Laboratory Medicine (ASLM) is a Pan-African professional body, working to advocate for the critical role and needs of laboratory medicine and networks throughout Africa. For more information, please visit our website at <https://aslm.org>.

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#### 2.0 REQUIREMENTS AND SPECIFICATIONS

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ASLM would like to solicit quotations for the supply and delivery of equipment and supplies from reputable companies. From the table below, the column indicated as "Initial Quantity Required" represents the current/immediate ASLM requirements and bidders should submit the quotation for these quantities. 'Optional Quantity' represent what MAY be procured in future and it is not a commitment on the part of ASLM.

#	Item Description	UOM	Initial Quantity Required (Maputo, Mozambique)	Initial Quantity Required (Abuja, Nigeria)	Optional Quantity
1	Digital Aerosol Photometer (see full specifications below)	each	1	1	2
2	Aerosal Generator (see full specifications below)	each	1	1	2
3	Flow Hood Shortridge with Win Wedge	each	1	1	2

Physical Office Address: *Joseph Tito Street, Nega City Mall, Suite 800, P.O.Box 5487 Kirkos Subcity, Kebele 08, Addis Ababa, Ethiopia (+251) 11-557-1021*

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	Software (see full specifications below)				
4	Air Data Multimeter (see full specifications below)	each	1	1	2
5	Veloci Cal Anemometer TSI	each	1	1	2
6	Tool Box	each	1	1	2
7	Pao Oil 5L	each	1	1	2
8	Tough Rectangular Epocyn Stand and Base	each	1	1	2
9	Ladder	each	1	1	2
10	Tape Engineering	each	1	1	2

Please provide quotation for Mozambique and Nigeria Items separately. This may be because they have different freight charges.

### 1. Aerosol photometer

For leakage detection for HEPA Filter, it is well known to use aerosol photometer for testing. ZR-6012 Aerosol photometer is a professional testing equipment which is used to test whether there is leakage on HEPA filter.

The downstream of aerosol concentration can be extended to 0.0001 µg/L, and upstream can be extended to 700µg/L.

- Sampling flowrate: 28.3L/min
- Concentration detection range: 0.01~125µg/L ; Ultra-low concentration can be extended to 0.0001 µg/L; Ultra-high concentration can be extended up to 700 µg/L
- Leakage detection: 0.0001%~100%
- Data storage: 100000 groups
- Size: (length 300×width 330×height 184)mm
- Weight: About 8.9kg(Battery included) /About 15kg(Outer packing, instrument, accessories, etc.)
- Power consumption: <150W

### 2. Aerosol Generator

Concentration	≥10 <sup>8</sup> particles/cm <sup>3</sup> (10ug/L ,flow 250m <sup>3</sup> /h)
Aerosol type	Polydisperse particles (cold), PAO-4, DOP
Generate	1 Nozzles
Flow range	< 2500m <sup>3</sup> /h

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Compressed air	Do not need (built-in air compressor)
Housing	316 stainless steel shell belt handle
Size	320x163x162mm
Weight	<4kg

### 3. Flow Hood Shortridge

- Hood for use with Shortridge Flow Meter
- Flow measuring base with sensing manifold.
- Two position flaps and control, push button handle and case.
- Includes three tops, sized: 2X2, 2X4, 1X4

### 4. AirData Multimeter

**AIR VELOCITY:** Measured in feet per minute (fpm), or meters per second (m/s), corrected for local air density. The measurement range is 25 to 29,000 fpm with a pitot tube, and 25 to 5,000 fpm with the Shortridge Instruments, Inc. Air Foil probe. The measurement range using the VelGrid is 25 to 2500 fpm.

Accuracy is  $\pm 3\%$  of reading  $\pm 7$  fpm from 50 to 8000 fpm.

**DIFFERENTIAL PRESSURE:** Measured in inches of water column (in wc) or Pascals (Pa). The measurement range is from 0.0001 to 60.00 in wc. Maximum safe pressures are 20 psid (900% full scale) and 60 psi a common mode. Accuracy is  $\pm 2\%$  of reading  $\pm 0.001$  in wc from 0.0500 to 50.00 in wc.

**ABSOLUTE PRESSURE:** Measured in inches of mercury (in Hg) or bars with reference to a vacuum. The measurement range is 10-40 in Hg. Maximum safe pressure is 60 psia. Accuracy is  $\pm 2\%$  of reading  $\pm 0.1$  in Hg from 14 to 40 in Hg.

**TEMPERATURE:** Accuracy is  $\pm 0.5$  °F from 32°F to 158°F with a resolution of 0.1°F using the ADT442, ADT443, ADT444, ADT445 or ADT446 TemProbes. Meter will display readings from -67.0 °F to 250.0°F

**AIR FLOW:** Measured in cubic feet per minute (cfm) or liters per second (L/s), corrected for local air density. This function requires the use of the Shortridge Instruments' Series 8400 Backpressure Compensating Flow Hood System. The measurement range is 25 to 2500 cfm supply and 25 to 1500 cfm exhaust. Accuracy is  $\pm 3\%$  of reading  $\pm 7$  cfm from 100 to 2000 cfm (non-back pressure compensated readings).

**AIR DENSITY CORRECTION:** The air density correction range is 14-40 in Hg and 32°F to 158°F for correction of air flow and velocity measurements.

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MEMORY:100 readings with sequential recall of each reading with the average, the sum, minimum and maximum readings.

RESPONSE TIME: Varies from one second at higher pressure inputs to seven seconds at less than 0.0003 inwc (70 fpm). Extremely low pressure/flow/velocity inputs require longer sample times than higher pressure/flow/velocity inputs.

TREND mode provides continuous readings in less than two second intervals. (Accuracy specifications do not apply in TREND mode).

READOUT: Ten digit, 0.4 inch, liquid crystal display (LCD).

METER HOUSING: High impact, molded, "T" grade ABS.

METER WEIGHT: 36 ounces (1.02 kg), including batteries  
SIZE: 6.0" x 6.4" x 2.7" (15.2 x 16.3 x 6.9 cm).

BATTERY: A set of rechargeable type AA NiCad batteries

BATTERY LIFE: A ten-hour charge will normally allow two working days of heavy use, or up to 3000 readings per charge if the back-light is not being used.

OPERATIONAL TEMPERATURE LIMITS: The specified accuracy for measurements is maintained over a meter exposure temperature range of 40 °F to 140 °F

STORAGE TEMPERATURE LIMITS: -4 °F to 140 °F

AIR BLEED: Each pressure measurement requires a small volume of air to pass through the meter. The pressure source must be capable of supplying this volume without significant depletion to assure accurate measurements. Bleed through is typically 0.0004 cubic inch per in wc per measurement.

## **5. Veloci Calc Anemometer**

- Max Air Velocity (ft/min): 9999
- Min Air Velocity (ft/min): 0
- Air Velocity Resolution1 : 0.01 m/s
- Air Velocity Accuracy:  $\pm 3\%$  of reading or  $\pm 3$  ft/min (0.05 m/s) (whichever is greater)
- Number Of Temperature Channels: 1
- Min Temperature (° C): 5
- Max Temperature (° C): 45
- Data Logging: Yes
- Data Storage (samples): 26,500 samples and 100 test IDs
- Logging Intervals: 1 second to 1 hour
- Sensor: differential pressure sensor

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## 6. Tool Box:

Containing;

- Ergo handled modular power blade system
- Laser etched bite tip steel screwdrivers
- Pliers and cutters
- 25pc. Gear wrench socket set
- 8 pc. Ignition Wrench sets
- Remove and replace torcs screws from T6 to T25
- Hex Key sets
- 15-ini-1 Stripper/Crimper-for minor wiring and connector repairs
- Outlet Tester/ Receptacle Analyzer
- 15 15 fixed handle screwdrivers
- Contact burnisher and Feeler Gauges
- Double ended screw-starter

## 7. Pao Oil 5L

- Universal oil for any type of compressor for all types of refrigerant PAO 68
- Resistance to moisture
- Wide-spectrum operating temperature range from-68 o C to + 315 O C, providing excellent lubrication conditions in any environment
- High Miscibility with other oils while maintaining proper lubrication conditions
- Versatility to replace the various PAG oils, allowing the use of a single oil to replace the other three.

## 8. Tough Rectangular Epocyn Stand and Base

- Base made of Epoxyn solid epoxy resin for maximum resistance to chemicals and mechanical abuse
- Material: Epoxy
- Product Type: Tough Rectangular Stand with Nickel plated steel support
- Shape : rectangular

## 9. Ladder

- Aluminium step ladder, folding , non-slip surface with hand rails
- 3 step closed height: 1250mm, platform height:570mm, approximate working height :2570mm and width 405mm

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## 10. Tape (Engineering)

- Class 1, Power lock tape Measure, Heavy-Duty, Engineer's Scale with Metal Case
- Blade length, Blade Length, Up to 5 meters, Item Weight up to 12 ounces

**For the quoted items, please provide a colour brochure.**

**Incoterm: CIF:** Maputo, Mozambique and Abuja, Nigeria

**Bidders are required to indicate realistic delivery period in their quotations. The items are time sensitive.**

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### 3.0 MANDATORY REQUIREMENTS

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- Company profile with Certificate of Incorporation, Tax Clearance and all other applicable licenses, permit, authorizations, affiliations and certifications required per applicable laws and regulations. The company profile should provide additional information such as Registration name and trading name if applicable, physical address, telephone, contact person, period in business, key personnel/management and line of business.

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### 4.0 EVALUATION CRITERIA AND SUBMISSION REQUIREMENTS

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The selection method for this RFQ is **Lowest Price Technically Acceptable** (LPTA). This entails that ASLM will select or award the lowest bidder who meet the specifications provided. Bidders are advised and cautioned against under-pricing their bids with the intention of supplying sub-standard vehicles or alternatively to seek price variation after the award of the

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contract.

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### 5.0 CONTRACT TYPE

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For this procurement, ASLM will issue out a Purchase Order on its terms and conditions indicating the supplier's quoted firm fixed price, description of the item(s), quantity, delivery location(s) and other instructions.

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### 6.0 SUBMISSION REQUIREMENTS

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Completed bids must be addressed to the Procurement Committee and send electronically on or before the closing date and time to [rfpsubmission@aslm.org](mailto:rfpsubmission@aslm.org) **ONLY**.

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### 7.0 PROPOSED TIMELINES

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Date	Activity
14 May 2024	Release of RFQ and publicly posted on ASLM website:
21 May 2024	Deadline for submission of inquiries related to this RFQ directed to Email to: <a href="mailto:JShonhe@aslm.org">JShonhe@aslm.org</a> ; <a href="mailto:SMate@aslm.org">SMate@aslm.org</a> ; <a href="mailto:Adkebede@aslm.org">Adkebede@aslm.org</a> and all questions must clearly identified with the solicitation #
	Indicate the RFQ number indicated at the top of this RFQ (i.e. RFQ #) in your proposals.
22 May 2024	Response to all inquiries released and posted publicly on ASLM website
<b>27 May 2024</b>	<b>Deadline for Proposal submission.</b>
1 June 2024	Final decision announced and Bidders receive feedback
1 June 2024	Contract confirmed & issued out.

*While ASLM is desirous of maintaining the proposed timelines, delays necessitated by unforeseen circumstances.*

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## 8.0 ASLM TERMS AND CONDITIONS

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The following are the terms and conditions of ASLM and any exceptions to these should be noted in writing at submission:

8.1. This RFQ is not an offer to enter into agreement with any party, but rather a request to receive proposals from companies interested in providing the goods or services outlined in this RFQ.

8.2. The specifications prescribed are not in any way limited to any specific tenderer as they are based on generally achievable requirements and thus, participation in this solicitation is open to all legal vendors that are registered and comply with the laws of doing business in the applicable country(ies) where services will be rendered. The necessary legal, commercial, technical and financial requirements should be satisfied.

8.3. ASLM does not bind itself to accept the lowest tender price and reserves the right to reject all submissions, in whole or in part, enter into negotiations with any party, and/or award multiple contracts.

8.4. ASLM reserves the right (but is not under obligation to do so) to enter into discussions with one or more respondents in order to obtain clarifications or additional details, to suggest service delivery refinements in the proposal or other aspects of the proposal, or to negotiate the cost quotation.

8.5. All quotations **MUST** be typed, on company official letterhead with full contact details including physical address, contact phone, email. Submissions **MUST** be received on or before the **closing date** and **time** and all bids received after the closing date and time may not be considered.

8.6. ASLM shall NOT be responsible for any costs involved in the preparation and submission of bids or proposals. All costs to be borne by the bidder and this is irrespective of the outcome.

8.7. Bid validity of quotation/proposals shall be 90 days.

8.8. Unless otherwise specified in the final contract, full payment will be made by ASLM to the Vendor within 30 days of receipt of invoice from the Vendor and either delivery of goods or completion of required deliverable.

8.9 ASLM provides an equal opportunity for any vendor/supplier to participate irrespective of race, colour, religion, sex, or national origin and will receive equal treatment.

8.10. By participating, preparation and submitting this quotation or proposal, you represent that none from your organization has any conflict of interests.

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8.11. To the maximum extent practical and possible, ASLM will strive to ensure that the finances provided in this procurement do not support organisations, companies and individuals associated with acts of terrorism, prostitution and drug trafficking.

8.12. ASLM reserves the right to delay, amend, reissue, or cancel all or part of this RFQ at any time but feedback will be provided to the vendors who participated. Additionally, ASLM will be under no obligation to reveal, or discuss with any bidder how a quotation/proposal was assessed, or to provide any other information relative to the selection process. Respondents whose quotations are not selected will be notified in writing and shall have no claim whatsoever for any kind of compensation.

8.13. ASLM reserves the right to waive or permit cure of non-material variances in the bid proposal if, in the judgment of ASLM, it is in ASLM's best interest to do so. Non-material variances include minor informalities that do not affect responsiveness; that are merely a matter of form or format; that do not change the relative standing or otherwise prejudice other vendors; that do not change the meaning or scope of the RFQ; or that do not reflect a material change in the services. In the event ASLM waives or permits cure of nonmaterial variances, such waiver or cure will not modify the RFP requirements or excuse the vendor from full compliance with RFP specifications or other contract requirements if the vendor is awarded the contract. The determination of materiality is in the sole discretion of ASLM.

8.14. Failure to provide any of the above specifications and requirements may be considered non-responsive and disqualify the bidder from final selection.

8.15. As part of its commitment to engrain a culture of honesty and integrity in all its business processes, unethical conduct such as undisclosed conflict of interests, bribes and kickbacks and other corrupt activities are strictly prohibited and denounced. No employees at ASLM are allowed to use their position to pursue personal and unethical gain. In the same vein, bidders or potential suppliers and contractors are proscribed from offering bribes aimed at influencing the process and the outcome(s). ASLM implore vendors to embrace this culture in their interactions with us. Violation of this ethical principle and requirement will result in the supplier or service provider disqualified and ASLM will not solicit or accept bids in the future from the same. Should you experience or suspect unethical behaviour by an ASLM employee, please reach out to via email: [ASLM@tips-offs.com](mailto:ASLM@tips-offs.com) or through the website: <http://www.tip-offs.com/>.

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