

# MORAGA-ORINDA Fire PROTECTION DISTRICT



## REQUEST FOR PROPOSAL

Issue Date: November 16, 2021

Proposal Due Date: Friday, November 26, 2021 at 5:00 PM

## **Request for Proposal**

### **Portable Environmental Beta Attenuation Mass Monitor**

#### **Section 1 – Background**

The Moraga Orinda Fire District (MOFD) requests proposals/bids for the purchase of one (1) Portable Environmental Beta Attenuation Mass Monitor and related components for use by the fire district. Funding for this purchase comes from the 2020 State Homeland Security Grant Program.

#### **Section 2 – Equipment and Specifications**

MOFD seeks to purchase one (1) Portable Environmental Beta Attenuation Mass Monitor. The monitor shall provide accuracy and precision consistent with U.S.-EPA requirements for Class III PM<sub>2.5</sub> and PM<sub>10</sub> measurement. The monitor shall meet the following specifications:

Measurement Principle	Measurement	Particulate Mass Concentration by Beta Attenuation
Sample Time		1 Hour W/ Selectable 1, 5, 10, 15, 30 or 60 minute avg. real-time output.
Flow Rate		16.7 L/min inlet flow rate; actual volumetric flow
Filter Tape Span Check		Continuous glass fiber filter; 30 mm x
Beta Source		21 m roll; > 60 days/roll Manual, 800
Beta Detector Type	Operating	µg (typical, span foil included.)
Temperature Range	Operating	<sup>14</sup> C(carbon-14); 60 µCi±15
Humidity Range	Inlet	µCi (2.22 MBq)
Humidity Control		Photomultiplier tube with
User Interface		organic plastic scintillator
Ambient Sensor		-25° to +50°C.
		0 - 90% RH, noncondensing
		Actively
7500 Digital Serial Interface		controlled inlet
Serial Interface		heater module
		4.3" graphical
		touch screen
		Model 597A combination AT, RH, and BP serial sensor AT: -50°
Internal Data Storage	External	to +70°C;
Data Storage	Compatible	RH: 0 to 98%; BP: 375 to 825 mmHg
Software		
Power Supply		2 channels, half duplex RS-485
		1 channel; full duplex RS-232, USB (Shared common
		serial output 1 channel; halfduplex RS-485 Baud
Weight		rates 1200, 2400, 4800, 9600, 19200, 38400,
Dimensions (Without Tripod)		57600, 115200

15 Days 1-minute average,  
2.6 years 60-minute average  
1 USB Flash drive device  
Air Plus 5, COMET™, HyperTerminal®  
AC Version: 100 - 230 VAC; 1.4 Amp AC, 50/60 Hz; 102 W,  
12 VDC@ 8.5 Amp  
31 lbs. (14.1kg)  
Height: 18 in (46 cm) Width: 16 in (41 cm) Depth: 9 in (23 cm)

### **Section 3 – Additional Terms and Conditions**

Successful bidder must be a factory-authorized distributor and service center to sell the equipment specified within.

#### **Warranty:**

The monitor shall be covered by a minimum one (1) year warranty providing protection against defects in materials or workmanship.

#### **Pricing:**

The proposal shall denote unit price for each item. Any additional costs shall be listed separately. Proposal price shall include shipping costs and sales tax at 9.75%. Bid prices shall be guaranteed for at 90 days from the bid opening date.

### **Section 4 – Certifications and Assurances**

Funding for this purchase comes from the 2020 State Homeland Security Grant Program. Bidders must comply with the following requirements. **Submission of a bid will represent your company's attestation that it meets, agrees and adheres to the provisions of this section.**

- A. Civil Rights Act of 1964 - Title VI. Bidders must comply with the requirements of Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq.), which provides that no person in the United States will, on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.
- B. Debarment and Suspension. Per Executive Order 12549, Debarment and Suspension, and implemented at 44 CFR Part 67, the bidder certifies that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of Federal benefits by a State or Federal court, or voluntarily excluded from covered transactions by any Federal department or agency.
- C. Lobbying. As required by section 1352, Title 31 of the U.S. Code, and implemented at 44 CFR Part 18, the bidder certifies that:
  - a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the bidder, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the

- making of any Federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal grant or cooperative agreement.
- b. If any other funds than Federal appropriated funds have been paid or will be paid to any other person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or an employee of Congress, or employee of a member of Congress in connection with this Federal Grant or cooperative agreement, the bidder shall complete and submit Stand Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
  - c. The bidder shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subgrants, contracts under grants and cooperative agreements, and subcontracts) and that all subrecipients shall certify and disclose accordingly.

## **Section 5 – Proposal Requirements**

All costs incurred in the preparation and presentations of this proposal are the vendor's responsibility.

### **All Proposals should contain the following:**

- Signed cover letter that includes at least the following:
  - Company name
  - Contact name
  - Mailing address
  - Telephone
  - Email address
  - Statement certifying that company meets and adheres to the requirements of Section 4 of the RFP.
- Bid with price proposal for purchase of the equipment listed in Section 2 and any and all other costs associated with meeting the terms of the RFP.
- Exceptions to specifications: Any exceptions to the specifications above must be outlined in writing on a separate sheet, clearly marked "Exceptions", and included with the bid proposal. Failure to do so will automatically disqualify the bidder.

## **Section 6 – Proposals Submissions**

Bids may be received in the Fire Administration Building, 1280 Moraga Way, Moraga CA 94556. E-mail bids will be accepted at [ilee@mofd.org](mailto:ilee@mofd.org). Bids must be received no later than Friday, November 26, 2021 at 5:00 PM. Bidders are strongly encouraged to submit bids in advance of the due date to avoid possibility of missing the deadline due to unforeseen circumstances. Vendors assume the risk of the methods of dispatch chosen. MOFD assumes no responsibility for delays caused by any package or mail delivery service. Postmarking by the due date and time will be returned unopened. Additional time will not be granted to any vendor. Additional time may be granted to all vendors when MOFD determines that circumstances require it.

the minimum standards specified.

All questions about this RFP must be submitted via email as follows:

Jerry Lee  
Battalion Chief  
[jlee@mofd.org](mailto:jlee@mofd.org)

## **Section 7 – Method of Award**

Selection of the successful bidder will be based on the lowest bidder meeting all specifications defined in Section 2.