Jefferson County Department of Health

401 14th Street South, Birmingham, AL 35233
(205) 930-1961/Fax (205) 930-1060

Hazel Collins
Purchasing Agent

March 29, 2020
BID #21-03-05
INVITATION TO BID

Sealed bids for Air Monitoring Analyzers, will be received by the Purchasing Agent, Jefferson County Department of Health, General Service Annex, 401 14th Street South, Birmingham, AL 35233, until 10:00 a.m., Monday, April 12, 2021, at which time and place they will be publicly opened and read.

Bidders wishing to bid can download the complete solicitation including the specifications and bid forms via the internet at www.jcdh.org (go to the ABOUT header and click on BIDS), or by visiting the Purchasing Office at the address shown above, or by calling (205) 930-1961, fax (205) 930-1060 and requesting a copy be mailed to you. Any addenda will be available on the internet. Bidder is responsible for checking for addenda until bid opening date. Addenda will be mailed only to those vendors who were provided a copy in person or by mail.

All bids must be submitted on Bid Form in a sealed envelope indicating “SEATED BID – BID #21-03-05 Air Monitoring Analyzers” with opening date and bid number printed on outside of envelope.

All bidders must complete and return the notarized State of Alabama disclosure form included in the bid package and the Addendum to Bid Agreement Contract; and must provide their E-verify number and a copy of their E-verify certificate and all other documents listed in the enclosure.

It is required for any contract/purchase exceeding $10,000.00 that the bidder submits with their bid either certified check, a cashier’s check or a bid bond payable to the Jefferson County Department of Health in the amount of $500.00. In order for any bid award to be considered that exceeds $10,000, it must be accompanied by an acceptable bid bond or check. Bid bonds will be returned to all unsuccessful bidders after the formal award is made and to the successful bidder after acceptance of the award. Should the successful bidder fail to accept the award, the bid bond or check shall be forfeited.

No bid may be withdrawn for a period of sixty (60) days after the date of the bid opening. Jefferson County Department of Health is exempt from all tax. This statement in no way is to be construed as relieving a seller or bidder from paying any tax assessed to him as a seller or bidder.

Jefferson County Department of Health (JCDH) expressly reserves the right to reject any or all bids, or parts of bids and to make the award all or none or per line item on the merit and/or feature of method and quality, delivery, and service availability as the best interest of the Jefferson County Department of Health appears.
Jefferson County Department of Health reserves the right to require documentation that each bidder is an established business and is abiding by the ordinances, regulations, and laws of their community and the State of Alabama. If you are required by any regulatory agency to maintain professional license or certification to provide any product and/or service solicited under this Invitation To Bid (ITB), the JCDH reserves the right to require documentation of current license and/or certification before considering and awarding the bid.

Telephone inquiries with questions regarding clarification of all specifications of the ITB will not be accepted. All questions concerning the bid product and/or service specifications must be e-mailed to Glenda Smith at glenda.smith@jcdh.org. Please reference the bid number and title in the e-mail subject.

Hazel Collins
Hazel Collins, Purchasing Agent

HC/gs
BN: 04-02-21
Enclosures
SPECIFICATIONS

GENERAL
The Jefferson County Department of Health (JCDH) is to establish a firm pricing for **Air Monitoring Analyzers**. The successful bidder will be notified of bid award via Jefferson County Department of Health’s Notice of Award letter.

TERMS
The bid will be valid for a period of one (1) years from the date of award; with the option to extend two additional years, if agreed to by both parties.

TERMINATION
The bid may be terminated by JCDH with a thirty (30) day written notice of cancelation to the other party regardless of reason. Any violation of this agreement shall constitute a breach and default of this agreement. Such termination shall not relieve the bidder of any liability to JCDH for damages sustained by virtue of a breach by the bidder.

PRICE
Price will remain firm for the entire duration of the bid period. Price is to include all related fees. Invoice(s) must be itemized.

FREIGHT
Price includes transportation, fuel, handling, service, freight charges and deliveries as specified and JCDH will pay no additional fees.

INCURRING COSTS
The Jefferson County Department of Health will not be liable for any costs incurred in preparing bid responses.

PRE-PAY
No pre-payments will be made prior to shipment.

AWARD
Award will be made in whole to the lowest responsible bidder provided the vendor meet all requirements and specifications required by the JCDH.

COMMUNICATION DURING BID EVALUATION
There shall be no communication during the evaluation period between any vendor and JCDH agency requisitioning the good or service to be procured. Any communications, written, oral, or electronic between the vendor and the requisition agency must come through the Division of Purchasing Buyer administering the ITB.

ADDITIONS TO CONTRACT
The County has attempted to list the specifications and quantities for **Air Monitoring Analyzers** that will be required during the term of the contract. However, JCDH reserves the
right to purchase additional items and services of such similar like and scope as needed from
the successful bidder.

**INSURANCE**
Bidder shall furnish to the Board upon execution of this Agreement, a certificate of insurance as
evidence of adequate professional and public liability insurance insuring vendor, the Board and
Board’s agents, servants and employees as additional insured.

Bid proposals will be rejected if there is reason to believe that collusion exists among the
bidders. No participants in such collusion will be considered in future proposals for the same
work.

Bidder must have all necessary business licenses as required by the State of Alabama and
Jefferson County. All items must conform strictly to the specifications and shall be subjected to
evaluation upon acceptance. In the event that any item is deemed unacceptable or not in
conformity with the specifications, items will be rejected and items of proper quality as set
forth in these specifications shall be furnished in place thereof at the expense of the successful
bidder.

**DELIVERY**

**SHIP TO**

Jefferson County Department of Health
Attn: Environmental Health
401 14th Street South
Birmingham, AL 35233

Failure to deliver as specified and in accordance with the bid submitted, including promised
delivery, will constitute sufficient grounds for cancelation of the order and contract at the
option of JCDH.

Use of specific names and numbers is not intended to restrict the bidding of any seller and/or
manufacturer, but is solely for the purpose of indicating the type, size and quality, material,
service, or equipment considered best adapted to the JCDH’s intended use.

If requested, successful bidder will furnish a minimum of three (3) references. References will
be accepted only from companies that provide similar services with same type and scope as
requested herein.

No bidder shall be allowed to offer more than one price on each line item. If said bidder should
submit more than one price per line item, then ALL prices for that line item shall be rejected.

**GUARANTEE**
Bidder certifies by bidding that he is fully aware of the conditions of service and purpose for
which item(s) included in this bid are to be purchased, and that their offering will meet these
requirements of service and purpose to the satisfaction of the Jefferson County Department of
Health and its Agent.
## SPECIFICATIONS/REQUIREMENTS

**Operator interface and communications:**

1. The Analyzer **must** use 7”, XVGA color LCD Display with capacitive touch screen, capable of displaying multiple parameters.

2. The Analyzer **must** be a cleanable capacitive touch screen.

3. The Analyzer **must** use a 386-based CPU or faster.

4. The Analyzer **must** use Windows CE operating system.

5. The instrument **must** display a minimum of three (3) decimal places when in ppm mode.

6. The Analyzer **must** be capable of logging analog inputs in the instrument’s internal data logger.

7. The Analyzer **must** be supplied with a remote control and logging program that is compatible with Windows XP, Vista, and Windows 7.

8. The Analyzer **must** have two (2) front panel USB connections.

9. The Analyzer **must** have the following Input/Output (I/O) available:
   a. **Standard I/O**
      i. One (1) Ethernet comm. port 10/100 base-T
      ii. Two (2) RS232 comm. port (300-115,200 baud)
      iii. Two (2) USB device ports
      iv. Eight (8) opto-isolated digital control outputs
      v. Six (6) opto-isolated digital control inputs
      vi. Four (4) analog outputs
   
   b. **Optional I/O**
      i. One (1) USB comm. port
      ii. One (1) RS485 comm. port
      iii. Eight (8) analog inputs (0-10 Vdc, 12-bit)
      iv. Four (4) digital alarm outputs
      v. One (1) multi-drop RS232 comm. port
      vi. Three (3) 4-20 mA sending current outputs

10. Manufacturer (Bidder) **must** supply all software to remotely integrate/access all instrument parameters, view parameter historical values, graph historical values, and modify instrument parameters.

11. Uploading firmware upgrades must be possible through the instrument’s front panel USB port.

12. Manufacturing of all the major electronics and internal measurement bench hardware must be done in the continental United States of America.

13. Manufacturer (Bidder) must supply on-site training on operation and integration with existing aforementioned equipment.
### SPECIFICATIONS/REQUIREMENTS

#### Analyzer Measurement Bench:

1. US EPA federal equivalent method designation approved, federal register publication pending
2. Instrument **must** have:
   a. Provide UV Absorption principle measurements of Ozone in ambient air.

#### Analyzer Performance Specifications:

1. Ranges:
   a. Minimum: 0-100 ppb to 0-10 ppm

2. Measurement units: (user selectable)
   a. ppb
   b. ppm
   c. mg/m³
   d. µg/m³

3. Zero noise: < 0.2 ppb (RMS)

4. Span noise: < 0.5% of reading (RMS) above 100 ppb

5. Lower detectable limit: < 0.4 ppb

6. Zero drift: < 1.0 ppb / 24 hours

7. Span drift: < 1% of reading / 24 hours

8. Lag Time: < 10 seconds

9. Rise and Fall time: < 30 seconds to 95%

10. Linearity: < 1% of full scale

11. Precision: <0.5% of reading above 100 ppb

12. Sample flow rate: 800 cm³/min ± 10%

13. Power Requirements: 100-120V, 220-240V (50-60 HZ)

14. Analog Output Ranges: 10V, 5V, 1V, 0.1V (selectable)

15. Recorder Offset: ±10%

16. Operating Temperature Range: 5-40 Degrees Celsius


18. Analyzer must have an internal pump.

19. Analyzer must be able to operate, within the specifications, a sample line of up to 10 ft. long.
## SPECIFICATIONS/REQUIREMENTS

### Manuals:

One (1) instruction and maintenance manual, including circuit diagrams and diagnostic techniques, **must** be provided with each Analyzer as a hard copy and updated versions **must** be available for download from the manufacturer’s website for the life of the instrument.

### Warranty:

1. The Analyzer hardware and software **must** have a two (2) year warranty at no additional cost.

2. The Analyzer mother board **must** have a five (5) year warranty at no additional cost.

3. The Analyzer **must** have unlimited, lifetime telephone and email support by a knowledgeable, factory trained customer service technician at no additional cost.

4. Spare parts for the Analyzer **must** have guaranteed availability for ten (10) years from date of purchase.
BID FORM FOR BID #21-03-05
DUE: Monday, April 12, 2021
TIME: 10:00 a.m.

Hazel Collins
Purchasing Agent
Jefferson County Department of Health
General Services Annex Building
401 14th Street South
Birmingham, AL 35233

Submitted below is my firm bid for the Air Monitoring Analyzers as specified in ITB# 21-03-05.

<table>
<thead>
<tr>
<th>NO.</th>
<th>PRODUCT DESCRIPTION</th>
<th>QTY</th>
<th>EACH PRICE</th>
<th>EXTENDED PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Air Monitoring Analyzers as specified</td>
<td>2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

GRAND TOTAL

Delivery is guaranteed not later than _______ days after order date.

WARRANTY - Attach a copy of your complete warranty, which shall become a part of your bid.

Attach a letter stating differences between JCDH’s specifications and specifications of item(s) offered.

Attach a copy of your specifications, which shall become a part of your bid

Name of Company

8
Please enclose your business card with your bid.

Bidder acknowledges receipt of _____________ addenda. This page must be returned with bid.

(addenda numbers)

Date of Bid __________________________ Name (print legibly or type) __________________________

Company __________________________ Title __________________________

Street Address __________________________ Signature __________________________

City ______ State ______ Zip __________________________ Tax ID Number __________________________

Post Office Box (Zip if different from street address) __________________________ E-mail Address __________________________

Telephone Number __________________________ Fax Number __________________________

Terms of Payment __________________________ Delivery Date __________________________

Alabama Law (Section 41-4-116, Code of Alabama 1975) provides that every bid submitted and contract executed shall contain a certification that the vendor, bidder, and all of its affiliates that make sales for delivery into Alabama, or leases for use in Alabama, are registered, collecting, and remitting Alabama state and local sales, use, and/or lease tax on all taxable sales and leases into Alabama.

BY SUBMITTING THIS BID, THE BIDDER IS HEREBY CERTIFYING THAT THEY ARE IN FULL COMPLIANCE WITH ACT NO. 2006-557, THEY ARE NOT BARRED FROM BIDDING OR ENTERING INTO A CONTRACT PURSUANT TO 41-4-116, AND ACKNOWLEDGE THAT THE AWARDING AUTHORITY MAY DECLARE THE CONTRACT VOID IF THE CERTIFICATION IS FALSE.