

Request for Quote

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
 ONE CAPITOL HILL
 PROVIDENCE RI 02908

CREATION DATE : 21-FEB-12
 BID NUMBER: 7449426,1
 TITLE: TRACE LEVEL SO2 ANALYZER - DEM
 BID CLOSING DATE AND TIME:05-MAR-2012 10:15:00

BUYER: Gill Raymond E Jr
 PHONE #: 401-574-8466

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 DOA CONTROLLER
 ONE CAPITOL HILL, 4TH FLOOR
 SMITH ST
 PROVIDENCE, RI 02908
 US

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 DEM AIR LABORATORY
 C/O HEALTH DEPT LABORATORIES
 50 ORMS STREET
 PROVIDENCE, RI 02904
 US

Requisition Number: 1245112

Note to Bidders: THIS IS AN FOB DELIVERED RFQ - BIDDERS SHOULD SUBMIT A COPY OF THE MANUFACTUER'S SPECIFICATIONS WITH THEIR BID

TOTAL TRADE IN PRICE FOR ALL EQUIPMENT LISTED ON THE ATTACHED LIST OF TRADE IN EQUIPMENT WILL BE NOTED ON A SEPARATE LINE ON THE BID PRICING PAGE TRADE IN PRICING WILL BE CONSIDERED IN THE AWARDING OF THE BID

Amendment Description: AMENDMENT 1 CHANGES THE BID CLOSING DATE AND TIME:

FROM: 27-FEB-2012 @ 10:15 AM

TO: 05-MARCH-2012 @ 10:15 AM

AMENDMENT 1 ALSO ADDS 2 PAGES OF ADDITIONAL SPECIFICATIONS FOR THE EQUIPMENT BEING BID.

Line	Description	Quantity	Unit	Unit Price	Total
1	TRACE-LEVEL SO2 ANALYZER - ITEM #43i-TLE-AZSAA	2 00	Each		
2	ZERO-SPAN VALVES	2 00	Each		
3	TRACE-LEVEL NOX ANALYZER - PART #42ITL-ANMSPAA	3 00	Each		
4	PERMA-PURE DRYER	3 00	Each		
5	TRACE-LEVEL CO ANALYZER - PART #48ITLE-ACPA * * * * * TOTAL TRADE IN PRICE OFFERED FOR TRADE IN EQUIPMENT ON THE ATTACHED LIST ***** \$ _____	1 00	Each		

Delivery: _____

Terms of Payment: _____

It is the Vendor's responsibility to check and download any and all addenda from the RIVIP. This offer may not be considered unless a signed RIVIP generated Bidder Certification Cover Form is attached and the Unit Price column is completed. The signed Certification Cover Form must be attached to the front of the offer

Contract Terms and Conditions

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Terms and Conditions

BID STANDARD TERMS AND CONDITIONS

TERMS AND CONDITIONS FOR THIS BID

CAMPAIGN FINANCE COMPLIANCE

EVERY PERSON OR BUSINESS ENTITY PROVIDING GOODS OR SERVICES AT A COST OF \$5000 CUMULATED VALUE IS REQUIRED TO FILE AN AFFIDAVIT REGARDING POLITICAL CAMPAIGN CONTRIBUTIONS WITH THE RI STATE BOARD OF ELECTIONS EVEN IF NO REPORTABLE CAMPAIGN CONTRIBUTIONS HAVE BEEN MADE (RI GENERAL LAW 17-27) FORMS OBTAINED AT BOARD OF ELECTIONS, CAMPAIGN FINANCE DIVISION, 50 BRANCH AVENUE PROVIDENCE 02904 (401-222-2056)

ARRA SUPPLEMENTAL TERMS AND CONDITIONS

For contracts and sub-awards funded in whole or in part by the American Recovery and Reinvestment Act of 2009 Pub L No. 111-5 and any amendments thereto, such contracts and sub-awards shall be subject to the Supplemental Terms and Conditions For Contracts and Sub-awards Funded in Whole or in Part by the American Recovery and Reinvestment Act of 2009 Pub L.No 111-5 and any amendments thereto located on the Division of Purchases website at www.purchasing.ri.gov."

AWARD

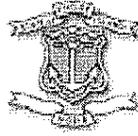
THE STATE, AT ITS SOLE DISCRETION, SHALL RESERVE THE RIGHT TO MAKE ONE OR MULTIPLE AWARDS FOR THIS REQUIREMENT AND/OR TO REJECT ANY OR ALL BIDS

VENDOR SPECIFICATIONS

ALL VENDORS MUST INCLUDE SPECIFICATIONS WITH BID PROPOSAL (EVEN THOSE BIDDING BRAND SPECIFIED). FAILURE TO SUBMIT SPECIFICATIONS WITH BID PROPOSAL MAY RESULT IN DISQUALIFICATION OF BID. ITEMS IN CATALOGS MUST BE CLEARLY MARKED AND PAGES TABBED

RIVIP INFO - BID SUBMISSION REQUIREMENTS

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**State of Rhode Island
Department of Administration / Division of Purchases
One Capitol Hill, Providence, Rhode Island 02908-5855
Tel: (401) 574-8100 Fax: (401) 574-8387**

Amendment RFQ 7449426,1

ADDITIONAL SPECIFICATIONS PAGE 1

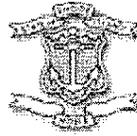
Bid specifications for the purchase of gas analyzers by RI DEM Air Resources

Two sulfur dioxide (SO₂) analyzers are to be purchased. The requirements for these instruments are as follows:

The instruments must be designed for trace-level measurement, with linear response in the zero to 100 ppb range. The instrument must operate on the principle of pulsed-UV fluorescence, and contain a cartridge, or, "kicker" for removal of interfering hydrocarbons. Linearity should be sufficient for the instrument to give a response within 1 ppb of the "true" value, over the 0 to 100 ppb range. The minimum detection limit of the instrument should be at 0.1 ppb

The instruments must be configured for auto-zeroing and auto-calibrating at user-designated intervals, such as once daily, and thus contain internal valves for zero and span gases to be introduced into the instrument, and internal software suitable for the tasks.

The instruments must be configured so as to be interchangeable with the existing SO₂ analyzers in the Rhode Island air monitoring network. As such, they must be designed for communication within an Ethernet network, using the MODBUS protocol, and in addition, be capable of data transmission via daisy-chained serial ports. More information is available on request.



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ADDITIONAL SPECIFICATIONS PAGE 2

Bid specifications for the purchase of gas analyzers by RI DEM Air Resources

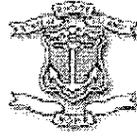
Three nitrogen oxide (NO_x) analyzers are to be purchased. The requirements for these instruments are as follows:

The instrument must be designed for trace-level measurement, with linear response in the zero to 100 ppb range. The instrument must operate on the principle of chemiluminescence, via the reaction of nitric oxide with ozone, and contain an internal ozone generator and a converter for the reduction of NO₂ to NO. Linearity should be sufficient for the instrument to give a response within 1 ppb of the "true" value, over the 0 to 100 ppb range. The minimum detection limit of the instrument should be at 0.05 ppb.

The instrument must contain an internal permeation drier for the air stream feeding the ozone generator.

The instrument must include in the analytical cycle an auto-zeroing step, in which the ozone and sample air streams are mixed in a pre-reactor upstream of the reaction chamber, to minimize zero drift, and reduce interferences from olefins.

As with the SO₂ analyzers, the instrument must be configured to be interchangeable with existing NO_x analyzers, using MODBUS and serial port communications.



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ADDITIONAL SPECIFICATIONS PAGE 3

Bid specifications for the purchase of gas analyzers by RI DEM Air Resources

One carbon monoxide (CO) analyzer will be purchased. The requirements for this instrument is as follows:

The instrument must be designed for trace-level measurement, with linear response in the zero to 10 ppm range. The instrument must operate on the principle of non-dispersive infrared absorption, and gas-filter correlation. The minimum detectable concentration should be 0.04 ppm, and linearity at 1% of full scale (+/- 0.1 ppm).

The instrument's software must contain an auto-zeroing step that can be executed at a user-designated interval such as once or twice daily. In this step, the air sample should be drawn through a CO scrubber containing Carulite 300, or an equivalent material, with the instrument software using this step to re-set the instrument zero.

The instrument must contain a permeation dryer to eliminate interferences from water vapor.

As with the SO₂ and NO_x analyzers, the instrument must be configured to be interchangeable with existing CO analyzers, using MODBUS and serial port communications.