



MISSISSIPPI STATE DEPARTMENT OF HEALTH

April 17, 2015

INVITATION FOR BID

RFx NO 3160000405

The Mississippi State Department of Health plans to purchase the following, and invites your bid:

- (1) Inductively Coupled Plasma Mass Spectrometry (ICP-MS) with chiller and autosampler as per attached specifications,

BID TOTAL\$ _____

The Inductively Coupled Plasma Mass Spectrometry (ICP-MS) will be used to analyze water samples for the Environmental Protection Agency (EPA) methods to test drinking water for chemicals in the Mississippi Public Health Laboratory (MPHL). Its primary use will be to detect inorganic contaminants in our state's public water systems. The ICP-MS must be capable of analyzing drinking water by EPA Method 200.8. Equipment supplied shall be newly manufactured by a nationally known manufacturer and not previously owned. The successful bidder will be responsible for the installation of the instrument.

This bid will be awarded on a total overall review of the specifications listed. The vendor is responsible for providing relevant documentation and demonstration that the instrument quoted in response to the bid meets all of the specifications listed.

All Bids to be f.o.b. destination.

E-Verify Compliance – Contractor/Seller represents and warrants that it will ensure its compliance with the Mississippi Employment Protection Act (Senate Bill 2988 from the 2008 Regular Legislative Session) and will register and participate in the status verification system for all newly hired employees. The term "employee" as used herein means any person that is hired to perform work within the State of Mississippi. As used herein "status verification system" means the Illegal Immigration Reform and Immigrations Responsibility Act of 1996 that is operated by the United States Department of Homeland Security, also known as the E-Verify Program, or any other successor electronic certification system replacing the E-Verify Program. Contractor/Seller agrees to maintain records of such compliance and upon request of the State, provide a copy of each such verification to the State. Contractor/Seller further represents and warrants that any person assigned to perform services hereunder meets the employment eligibility requirements of all immigration laws of the State of Mississippi. Contractor/Seller understands and agrees that any breach of these warranties may subject Contract/Seller to the following: (a) termination of the Agreement and Ineligibility for any state or public contract

in Mississippi for up to three (3) years, with notice of such (b) the loss of any license, permit, certification or other document granted to Contractor/Seller by an agency, department or governmental entity for the right to do business in Mississippi for up to one (1) year, or (c) both. In the event of such termination/cancellation, Contractor/Seller would also be liable for any additional costs incurred by the State due to contract cancellation or loss of license or permit.

E-Payments – Payments by The Mississippi State Department of Health shall be made and remittance information provided electronically as directed by The State of Mississippi. These payments shall be deposited into the bank account of the Contractor's Choice. The State may, at its sole discretion, require the Contractor to submit invoices and supporting documentation electronically at any time during the terms of this agreement. Contractor understands and agrees that the State is exempt from the payment of taxes. All payments shall be in United States currency.

Applicable Law – This purchase shall be governed by and construed in accordance with the laws of the State of Mississippi, excluding its conflicts of law provisions, and any litigation with respect thereto shall be brought in the courts of the State of Mississippi. The vendor shall comply with applicable federal, state and local laws and regulations.

Payment Terms – MS Code Section 31-7-305(3) allows a state entity to pay invoices within 45 days without penalty.

Bid terms are welcome; however, they will not be used as criteria for awarding the bid.

Prospective bidders are to contact Johnny Nelson at (601) 576-7635 or by e-mail at Johnny.Nelson@msdh.ms.gov if there are any questions regarding this bid.

Prior to the time specified for the bid opening, sealed bids along with any other documentation required must be hand delivered or mailed to **Mississippi State Department of Health, PURCHASING DEPARTMENT, ROOM 137A, THE UNDERWOOD BUILDING, 570 E. WOODROW WILSON, JACKSON, MISSISSIPPI 39216 OR POST OFFICE BOX 1700, JACKSON, MS 39215-1700.**

Bids must be received, dated and time stamped prior to 10:30 a.m., CST/DST, Wednesday, May 13, 2015 at which time bids will be opened. No bids will be accepted after the established bid opening time. **Bids will be opened and read at 10:30 a.m., CST/DST in Suite 134 Conference Room, Underwood Building, 570 E. Woodrow Wilson, Jackson, Mississippi.**

In addition, bidders should also submit a bid on-line in the State of Mississippi electronic procurement system, MAGIC. In order to submit bids, bidders must be registered as a vendor in MAGIC system and have an I.D. number and password assigned at the time of registration. Help for registering in MAGIC can be found at www.mmsr.state.ms.us.

No facsimile (FAX) bids will be accepted. This bid must be signed by a person with authority to bind the bidder. Failure to comply with this provision, any other provision of this Invitation for Bid, or any provision of State or Federal Law or regulation regarding the submission of bids will cause the bid to be rejected.

Submitted bids/responses will be available for review at the bid opening.

Approval for any award of this Invitation For Bid may have to be obtained by the Mississippi State Department of Health from the State of Mississippi Public Procurement Review Board. Any award notice, successful or unsuccessful, will be provided in written form and sent to all participants of the Invitation For Bid.

The Mississippi State Department of Health reserves the right to define equals, to reject any or all bids, and waive all informalities.

PLEASE MARK YOUR ENVELOPE: Bid Due 10:30 a.m. CST/DST, May 13, 2015

RFx NO 3160000405

NAME OF COMPANY _____

QUOTED BY _____

SIGNATURE _____

TELEPHONE _____

E-MAIL _____

Minimum Specifications for Inductively Coupled Plasma Mass Spectrometry (ICP/MS) with chiller and autosampler

Quotations in response to the bid must meet all of the specifications below for each instrument component:

The ICP/MS must be capable of analyzing drinking water by EPA Method 200.8 , processing a minimum of 100 samples in one 8- hour work shift.

The ICP-MS System must be a fully computer controlled, bench top ICP-Mass Spectrometer consisting of a spectrometer and ICP-MS software which runs under the Windows 7 operating system. It must include an installation kit with installation solutions, gas lines, cooling lines, flexible vent tubing, waste container, and sample introduction, torch and interface spares kits. Features must include a cyclonic sample introduction system with a concentric nebulizer, a built-in 40 MHz free-running Inductively Coupled Plasma source with the interface capability to control ion energies.

Additional features must include the following:

- Cassette torch mount that provides one handed removal and replacement
- Quadruple-stage vacuum system utilizing a triple inlet turbo molecular pump
- Triple cone interface to collimate the ion beam
- Ion deflector that reduces neutrals and polyatomics
- Reaction cell with both Kinetic energy discrimination that uses collisions to reduce poly atomic interferences
- Reaction cell with scanning quadrupole to chemically resolve polyatomic interferences from analyte species in typical matrices
- Quadrupole made of a metal alloy with exceptional thermal stability producing hyperbolic fields for excellent abundance sensitivity and on-the-fly variable resolution
- 2.5 MHz thermally stabilized quadrupole power supply for mass stability and ion detection circuitry for automatic extended dynamic range in a single scan
- Integrated 3-channel peristaltic pump, computer-controlled single-channel gas pneumatics (without getter).
- Data acquisition speed to meet daily use requirements.

In addition the instrument must include the following components:

Chiller

- Minimum - 1Horsepower Chiller
- Cooling capacity @ 20C: 2650 watts on 50Hz; 2900 watts on 60 Hz
- Pump Flow: 3.5 gpm / 13.2 lpm
- Pump Pressure (adjustable) 90 psi maximum / 6.9 bar maximum (preset at 55 psi)
- Microprocessor-based temperature controller
- Large, easy to read digital temperature display (°C or °F)
- Modulated refrigeration system for enhanced temperature stability and extended compressor life.

- Designed for indoor installation in ambient temperatures between 5° and 30°C (41°F and 86°F), relative humidity should not exceed 80% (non-condensing)
- Sound measurement @ 1 meter away: 65dBA (full load) / 62dBA (no load)
- Electrical Requirements: 50Hz; 240V / 1PH / 12.2 Amps
- Electrical Requirements: 60Hz; 208-230V / 1PH / 12.2 Amps

Chemical Chiller Coolant

- Coolant suitable for use with the ICP/MS related chiller

Bench with Vacuum Pump Dolly

- Instrument Bench capable of supporting the ICP/MS and related vacuum pump

Autosampler

- Computer-controlled autosampler with built-in recirculating wash station for use with ICP/MS
- Interchangeable polypropylene sample racks that can provide tray configurations with 180, 149 or 54 sample positions; eight positions for standards; and one position for a 50-ml recirculating wash vessel
- Includes racks to accommodate 149 samples, 50 sample vessels (15-mL), 50 standard vessels (50-mL) one sample probe, capillary tubing, a 50-mL wash station with tubing, 100-240 V, 50/60 Hz
- Controlled by ICP/MS software.

Software Specifications

- The systems software must be 100% compatible with a Laboratory Information Management Systems (LIMS) used to support environmental testing.
- Must have a NIST Library
- Instrument software updates must be provided free of charge.

Training

- Must have 2 day dedicated on-site training for analytical software.
- Must have 2 day dedicated on-site training for instrument.
- Must have off-site training for instrument and software.
- Off-site vendor training, if required, must be included in the quotation.

Installation requirements

- On-site installation must be included in the quotation.
- Instrument must be installed and ready for use by the customer within six (6) weeks of receipt of a purchase order.

Service

- Must provide a toll free telephone number for technical assistance that is accessible Monday through Friday from 8:00 a.m. - 5:00 p.m. CST/CDT.
- Must provide on-site technical assistance within 72 hours of service call.
- Must provide on-site service calls to perform preventive maintenance as required by the manufacturer.
- A service agreement must be available for purchase, after the expiration of the warranty period, throughout the life of the instrument.
- Parts must be available as part of the service agreement or for direct purchase throughout the life of the instrument.