



MISSISSIPPI STATE DEPARTMENT OF HEALTH

July 23, 2015

INVITATION FOR BID

RFx NO 3160000585

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

- (1) A bench-top Next Generation Sequencing platform with components per attached specifications,

BID TOTAL\$ _____

The platform must be a closed automated system that can provide genetic information on foodborne pathogens isolated from human samples, food, and environmental samples for national surveillance purposes using Next Generation Sequencing/Whole Genome Sequencing. The price bid must be for a new system, including computer, printer and other components required for operation. The unit cannot be refurbished, previously owned or used for demonstration. A list of accessory equipment, reagents, controls and consumables needed for proper test performance must be included.

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 Jennifer Dotson at (601) 576-7627 or by e-mail at Jennifer.dotson@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 11:00 a.m., CST/DST, Tuesday, August 18, 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 11:00 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.mmrs.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 11:00 a.m. CST/DST, Tuesday, August 18, 2015.

RFx# 3160000585

NAME OF COMPANY _____

QUOTED BY _____

SIGNATURE _____

TELEPHONE _____

E-MAIL _____

Bid Specifications: Next Generation/Whole Genome Sequencer

Background:

The Mississippi Public Health Laboratory (MPHL) is currently a member of the Centers for Disease Control and Prevention (CDC) PulseNet USA, a national laboratory network that monitors and tracks foodborne pathogens obtained from clinical specimens. The MPHL is also applying for membership in the Food and Drug Administration (FDA) GenomeTrakr network, a national laboratory network that collects and shares genomic and geographic data from foodborne pathogens associated with environmental and food samples.

As a member of PulseNet and GenomeTrakr networks, the MPHL is expected to provide genetic information on foodborne pathogens isolated from humans, food, and environmental samples in MS for local and national surveillance purposes using Next Generation Sequencing (NGS)/Whole Genome Sequencing (WGS). Implementation of NGS/WGS is a mandate for all PulseNet laboratories and is a requirement for participation in the GenomeTraker network.

Bid Requirements:

The MPHL is requesting bid proposals for the purchase of a bench top Next -Generation Sequencing platform to detect foodborne pathogens such as *Salmonella*, *Listeria* and *E. coli* O157 from human samples, food and environmental samples.

Instrument Requirements:

1. System must be capable of performing massive parallel sequencing by synthesis.
2. System must be automated.
3. System must have a small footprint for easy fit into a small laboratory space.
4. System must be able to sequence more than 1 sample per run (sample multiplexing).
5. System data output must consist of a fastq file format.
6. System vendor must clearly define data storage requirements and available options.
7. System platform must be compatible with existing FDA and CDC Whole Genome Sequencing (WGS) methods for *Salmonella*, *E.coli*, and *Listeria* as validated for use with the PulseNet laboratory network and the GenomeTrakr network.
8. System must be capable of producing high quality nucleotide data (> Q30) and the majority of data exceeding this quality (>70% of nucleotide data).
9. System library preparation must require no more than 6 hours.
10. System must produce a low error rate for sequencing samples.
11. System software must be capable of identifying and separating individual sample data from pooled data generated by parallel data collection and included as part of the bid price.
12. The bid price must be for a new system, including computer, printer and other components required for operation.
13. Instrument maintenance must be clearly defined for daily, weekly or monthly.
14. A UPS battery back-up/surge protector must be included.
15. An itemized list for reagents, controls and consumables including quantity per unit of measure and individual prices must be provided.

16. A list of distributors that sell reagents and supplies must be provided, if applicable.

Software Specifications

1. Instrument software updates must be provided free of charge.
2. Instrument software electronic interfacing capabilities must be defined.

Training Requirements

1. Must have dedicated on-site training for analytical software included as recommended by manufacturer.
2. Must have dedicated on-site training for instrument operation included as recommended by manufacturer.
3. Off-site vendor training, if required, must be included in the bid price.
4. The company must provide on-site training and certification for all lab testing personnel and off-site training as required by the manufacturer.
5. The company must provide training modules for specimen handling, system operational steps, interpretation of specimen results, storage of system data, and electronic release of system data to external clients.

Installation Requirements

1. The vendor must provide technical assistance and on-site installation for the initial setup.
2. On-site installation must be included in the bid price.
3. Instrument must be received by four (4) weeks and installed and ready for use by the customer within six (6) weeks of receipt of a purchase order. The customer will have discretion to schedule installation after six (6) weeks.
4. Instrument must use 115/120 volts.

Service Requirements

1. 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.
2. The company must be able to provide expedited service when there is an instrument malfunction. Must provide response time in documents that are submitted.
3. Must provide on-site service calls to perform preventive maintenance as required by the manufacturer.
4. The analyzer must have at least a one-year warranty that covers all preventative maintenance, repairs and parts.
5. A service agreement must be available for purchase, after the expiration of the warranty period, throughout the life of the instrument.
6. Parts must be available as part of the service agreement or for direct purchase throughout the life of the instrument.