



THE WATER WORKS AND SEWER BOARD
OF THE CITY OF BIRMINGHAM

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BWWB ENVIRO-LAB FM200 (HFC-227ea) CLEAN-AGENT FIRE SUPPRESSION SYSTEM

**Work Order Number: A-19736
Budget Item Number: BP-602-10**

NOTICE TO BIDDERS

Sealed Bids for purchasing and installing of FM200 (HFC-227ea) Clean-Agent Fire Suppression System; will be received by The Water Works Board of the City of Birmingham Engineering Department, **at 3600 First Avenue North, Birmingham, AL 35222, until 2:00 P.m. Local Time on Friday August 13th 2010** at which they will be opened and read aloud. Bids received after the said time shall be rejected.

Summarized Scope of the Project

The work consists of providing all labor, materials and equipment required to the project that includes but is not limited to:

1. The installation of a HFC-227ea (Heptafluoropropane), hereafter referred to by the trade name FM-200, engineered total flooding fire suppression system with automatic control that includes the following:
 - a. Piping and piping specialties.
 - b. Extinguishing-agent containers.
 - c. Extinguishing agent.
 - d. Detection and alarm devices.
 - e. Control and alarm panels.
 - f. Accessories.
 - g. Connection devices for and wiring between system components.
2. The work listed below shall be completed by the Contractor. If subcontracting is necessary, the Contractor is responsible for expenses and quality of work subcontracted.
 - a. 120 VAC power supply to the fire suppression system control panel.
 - b. Interlock wiring and conduit for shutdown of HVAC, dampers, and/or electric power supplies, relays, or shunt trip breakers.
 - c. Connection to the building fire alarm system.
3. Removal and disposal of the existing Halon 1301 fire suppression system.
4. Engineering design of the FM200 suppressant system.
5. Obtaining all necessary and required permits to install the fire suppression system.
6. Must Supply all Labor and Materials required to Perform any necessary modification to repair, extend, enhance the walls and secure ceiling tiles to ensure that all the 8 rooms pass the Room Integrity Test (The Integrity Test is performed to check that rooms can maintain a sufficient extinguishing agent concentration and pressure, for the required holding time as defined by NFPA, state and city fire codes). Examples of these modifications are: extending the dry wall where necessary to prevent FM200 leaking out of the protected space and securing/stabilizing the ceiling tiles so that the tiles don't fly away during the violent discharge.



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7. Performing any necessary modification of the protected rooms so as to be in compliance with NFPA, OSHA, state and city codes, rules and any other pertinent regulations on fire suppression.
8. Installation of automatic door holder/closures on access doors to all the protected area. This automatic door mechanism: Shall be safe to operate and must automatically close the door in case of a fire breakout, Shall provide an automatic override to all the door operation (open/close) to the protected area.
9. Pipes and Electrical accessories required to tie in the new System with the existing fire and alarm system.
10. Pre-engineered FM200 tanks for the 8 rooms to be protected.
11. Initial fill of FM200.
12. Training to all the occupants of the Enviro-lab on the operations of the new system, hazards, safety etc on the new FM200 system.
13. 'As Built' drawing of the newly installed FM200 system.
14. Posting all necessary warning/safety posters as required by NFPA 2001 Standard.
15. Material and safety data for the FM200 system.
16. Installation labor and equipments warranty.
17. Any other miscellaneous associated items as necessary to complete the work.

Bids shall be based on a lump sum plus additional unit price items as indicated in the Bid Form.

Starting on **07/13/2010**, Bidding Documents may be examined at the McGraw Hill Construction Dodge Plan Room, 3535 Grandview Parkway, Suite 225, Birmingham, AL 35243; Birmingham Construction Industry Authority, 3600 Fourth Avenue, South, Birmingham, AL 35222 and the office of the Chief Engineer of The Water Works Board of the City of Birmingham, 3600 First Avenue, North, Birmingham, AL 35222.

Prime Contractor bidders may obtain one complete set of Bidding Documents from the office of the Chief Engineer of The Water Works Board of the City of Birmingham upon payment of **\$50.00** deposit by company check or by certified check, and signing a nondisclosure statement. This deposit shall be refunded in full to each prime contractor bidder upon the return of the Bidding Documents in a re-useable condition within 10 days after the bid opening. Additional sets of Bidding Documents for prime contractor bidders, subcontractors, vendors or dealers may be obtained upon payment of said \$50.00 deposit, and signing a nondisclosure statement. This deposit shall be refunded less the costs of printing, reproduction, handling, and distribution, upon return of the documents in re-useable condition within 10 days after the bid opening. Checks for documents shall be made payable to The Water Works Board of the City of Birmingham. No additional charge will be made for delivery via UPS ground. Those requesting shipment of documents via carriers other than UPS ground will be made at the requesting firm's expense. Partial sets of Bidding Documents will not be available to any Bidder. Neither the OWNER nor the ENGINEER will be responsible for full or partial sets of Bidding Documents, including any addenda, obtained from other sources. No Bidder may withdraw or alter a bid within 60 calendar days after the actual date of the bid opening.

A mandatory pre-bid conference, and site visit, will be held at 10:00 AM on Friday July 30th 2010 in the Enviro-Lab conference room located at 3600 first avenue north Birmingham, Alabama 35222. All prospective Bidders and interested parties are required to attend the pre-bid conference. The purpose of the pre-bid conference is to raise questions pertaining to the Bidding and Contract documents and for the OWNER or its representatives to clarify any points. All Contractors shall complete and submit MBE\DBE Form "A" no later than seven (7) days after the scheduled date of the pre-bid conference. This form may be submitted in person at the pre-bid conference.



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Each bid shall be accompanied by a certified check or bid Bond in the amount of five percent (5%) of the bid not to exceed \$10,000.00 in the form and subject to conditions provided for in the Specifications.

The successful Bidder will be required to furnish a Performance Bond and a Payment Bond each in an amount equal to 100 percent of the Contract Award.

Bidders shall comply with all statutory requirements in accordance with the Instructions to Bidders. Bids will only be received from Contractors who are licensed by the State of Alabama.

Contract time of commencement and completion will be in accordance with the Agreement.

The Birmingham Water Works Board (“BWWB”) has adopted a voluntary Minority Business Enterprise/Disadvantaged Business Enterprise (“MBE/DBE”) Program designed to encourage the participation of MBE/DBE firms in construction projects. To that end, the BWWB will never exclude any firm from participation in, deny any person benefits of, or otherwise discriminate in connection with the award and performance of BWWB contracts based on social or economic status. (1) Minority Business Enterprise (MBE): a business that is 51% owned, operated and controlled by a person who is a member of the following groups: African American non-Hispanic, Hispanics, American Indians, Asians. (2) Disadvantaged Business Enterprise (DBE): a business that is 51% owned, operated and controlled by one or more socially and economically disadvantaged individuals. A socially disadvantaged individual is one who has been subject of racial, ethnic or gender bias because of their membership in a particular group. An economically disadvantaged individual is one whose ability to compete in the free enterprise system is impaired due to diminished opportunities to obtain capital and credit.

If a Contract is to be awarded, it will be awarded to the lowest responsive and responsible Bidder, who has neither been disqualified nor rejected pursuant to these Contract Documents, and whose Bid based on an evaluation by the OWNER indicates that the award will be in the best interest of the Project and will result in the lowest overall cost to the OWNER for completion of the project. If a Contract is to be awarded, it will be awarded within 30 calendar days after the day of the opening of bids.

The OWNER reserves the right to reject any and all proposals, the right to waive irregularities or to accept any proposal deemed to be in the best interest of the OWNER.

Owner:

The Water Works Board of the City of Birmingham
3600 First Avenue North
Birmingham, Alabama 35222

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