

PURCHASING DIVISION
CITY OF WORCESTER
MASSACHUSETTS 01608-1895
ROOM 201 – 455 MAIN STREET
PHONE (508) 799-1220

SEALED BID INVITATION
(Supplies, Material, Equipment, Services)

BID NO. 7939-1-M3

DATE: January 18, 2023

CITY OF WORCESTER
Christopher J. Gagliastro, MCPPO
Purchasing Agent

BUYER: Maureen McKeon

AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER

Bidders must state and identify the product offered, such as manufacturer's name, trade name, brand name and quality next to each item. ***WE MUST KNOW WHAT HAS BEEN OFFERED.*** By virtue of the offeror's signature below, proposer certifies that the product (s) or service (s) bid are in compliance with the City's terms, conditions and specifications in all aspects.

COMPLETE ORIGINAL COPY (including ALL pages) OF THIS BID MUST BE SUBMITTED IN A SEALED ENVELOPE:

DATE: February 8, 2023

TIME: 10:00 A.M. LOCAL TIME

PLACE: Purchasing Division, Room 201, City Hall, Worcester, Massachusetts

MARK SEALED ENVELOPE: **"Sealed Bid No. 7939-1-M3 Ion Chromatograph System / DPW&P"**

The name and address of the bidder must appear in the upper left-hand corner of the envelope. The City of Worcester is not responsible for bids not properly marked.

All bids received will be publicly opened and read in the Bid Room, City Hall at date and time shown above. **NO BID WILL BE ACCEPTED AFTER TIME AND DATE SPECIFIED**

BIDDER TO COMPLETE ITEMS BELOW

| Item No. | QTY | Description | Mfg. | Model | Unit Price | Total Price |
|----------|-----|---|------|-------|------------|-------------|
| 1 | 1 | New Ion Chromatography System per the attached specifications and requirements of the City of Worcester Department of Public Works & Parks. (Note: Price must include a CPU with monitor (min. 24") and a minimum 1 TB hard drive.) Questions pertaining to this bid must be directed to Maureen McKeon via e-mail at mckeonmp@worcesterma.gov | | | \$ _____ | \$ _____ |

ABOVE ARE FOR (DEPT.) DPW/P

DELIVERY TO BE F.O.B. (LOCATION) _____

DELIVERY IS REQUIRED BY: (DATE) A.S.A.P.

BIDDER TO SPECIFY:

DELIVER _____ DAYS FROM DATE OF ORDER _____

PROMPT PAY DISCOUNT: _____ % 30 DAYS, NET 45 DAYS

BIDDER _____

ADDRESS _____
CITY/TOWN _____

STATE _____ ZIP _____

AUTHORIZED SIGNATURE _____

TITLE _____ TEL.: _____

DATE: _____

EMAIL: _____

CONDITIONS

- 1) Prompt pay discounts will be considered when determining the low bid except when discounts are for a period of less than 30 days. In this event discounts will not be taken into consideration when determining low bid.
- 2) Time, in connection with discount offered, will be computed from date of completion and/or delivery and acceptance at destination, or from date correct bill or voucher properly certified by the contractor is received if the latter date is later than the date of completion and acceptance and/or delivery and acceptance.
- 3) As the City of Worcester is exempt from the payment of Federal Excise Taxes, and Massachusetts Sales Tax, prices quoted herein are not to include these taxes.
- 4) **All prices are to be firm F.O.B. Delivered Destination, City of Worcester, Massachusetts, unless otherwise indicated by the City. Time reserved for award is ninety days.**
- 5) In case of error in the extension prices quoted herein, the unit price will govern.
- 6) It is understood and agreed that should any price reductions occur between the opening of this bid and completion of any delivery of any order, the benefit of all such reductions will be extended to the City.
- 7) The City of Worcester reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interest of the City.
- 8) Awards will be made to the bidder quoting the lowest net price in accordance with specifications.
- 9) The bidder to who a contract is awarded guarantees to the City of Worcester all equipment, materials and/or workmanship for a period of one (1) year after final inspection and acceptance and shall replace promptly any defective equipment, materials and/or workmanship required without additional cost to the City.
- 10) It is understood and agreed that in the event of failure on the part of the bidder to indicate date of delivery and/or completion, delivery and/or completion will be made within twelve (12) days from date of purchase.
- 11) The Bidder must certify that no official or employee of the City of Worcester, Massachusetts is pecuniarily interested in this quotation or in the contract which the bidder offers to execute or in expected profits to arise therefrom, unless there has been compliance with provisions of G.L. C.43 Sec. 27, and that this quotation is made in good faith without fraud or collusion or connection with any other person submitting a quotation.
- 12) This inquiry implies no obligation on the part of the buyer, City of Worcester, Mass. Quotations will not be considered unless returned on this form. Your proposal should be forwarded to the office of the Purchasing Department, City of Worcester in a sealed envelope, plainly marked: "Quotation on (item requested)" - also, please show Bid Number.
- 13) It is understood and agreed that it shall be a material breach of any contract resulting from this bid for the Contractor to engage in any practice which shall violate any provisions of Massachusetts General Laws, Chapter 151B, relative to discrimination in hiring, discharge, compensation, or terms, conditions or privileges of employment because of race, color, religious creed, national origin, sex, age or ancestry.
- 14) Any prospective bidder requesting a change in or interpretation of existing specifications of terms and conditions must do so within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date. All requests are to be in writing (e-mailed to mckconmp@worcesterma.gov) to the Purchasing Department. No changes will be considered or any interpretation issued unless request is in our hands within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date.
- 15) Bids which are incomplete, not properly endorsed, or signed, or otherwise contrary to these instructions may be rejected as informal by the Purchasing Agent. **CONDITIONAL BIDS WILL NOT BE ACCEPTED.**

CERTIFICATE OF GOOD FAITH FORM AS REQUIRED BY M.G.L. c. 30B

UNDER MASSACHUSETTS GENERAL LAWS, CHAPTER 30B: SECTION 10, THE FOLLOWING CERTIFICATION MUST BE PROVIDED:

Section 10. A person submitting a bid or a proposal for the procurement or disposal of supplies, or services to any governmental body shall certify in writing, on the bid or proposal, as follows:

" The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals."

(Please Print)

Name of Person Signing Bid

Signature of Person Signing Bid

Company

No award will be made without vendor certification of the above.

IMPORTANT NOTICE TO BIDDERS:

BIDDERS ARE ADVISED NOT TO TAKE ANY EXCEPTIONS TO THE CITY'S TERMS & CONDITIONS.

BIDS THAT INCLUDE COMPANY TERMS & CONDITIONS WHICH CONFLICT WITH THOSE OF THE CITY MAY BE REJECTED.

- Bid results will be available on our website as soon as possible following due date. Please go to www.worcesterma.gov to obtain this information.

SPECIFICATIONS – ION CHROMATOGRAPHY SYSTEM

BID #: 7939-1-M3

ION CHROMATOGRAPH SYSTEM BID SPECIFICATIONS

- The IC equipment bid must be new (no demo or leftover equipment will be acceptable) and the most current model series available for the bidding company
- Must be a totally integrated and preconfigured ion chromatograph suppressor, injector, columns, guard columns and any optional components needed to perform EPA Method 300.0, and 300.1.
- Must be a totally integrated and preconfigured ion chromatograph system consisting of at least one analytical high-pressure pumps, injection valves, conductivity detector, carbonate suppressor, anion suppressor, analytical columns, guard columns (or comparable equipment). Also included must any optional components needed to perform EPA Method 300.0, and 300.1 in drinking water, source raw water and wastewater samples.
- System must have the ability to analyze cations if future requirements arise. All equipment to do so must be included.
- The system must be upgradeable to UV/vis if needed.
- Instrument Detection Limits must meet EPA limits for drinking water. (N-Nitrate and N-Nitrite = 0.01 mg/l, Bromide = 0.05 mg/l.
- Instrument must be able to meet EPA Method 300.0, and 300.1 for Anion analysis.
- Must have inert, nonmetallic PEEK (polyetheretherketone) components throughout the system (IC module and Autosampler) for metal contamination-free chromatography.
- Must have an easy to maintain Eluent introduction system, using either Carbonates or Hydroxides. Preferably (but not required) be capable for gradient as well as isocratic analysis.
- Instrument must have eluent degasser feature on board.
- Must have fully integrated software for the complete operation of instrument components, Autosampler, Eluents and integration of all analysis data. This software package must have the ability to monitor instrument parameters and settings for analysis and troubleshooting.
- Software package must include full system control and digital data collection available with Windows - based Chromatography Workstation. Workstation is comprised of CPU, Monitor and Printer, which is compatible with Software package. The CPU should be Windows-based with at least 1 TB of hard drive storage and Read/Write DVD Drive. The monitor should be a minimum of a 20 inch monitor. USB interface of modules is preferable. Printer must be Color Laser due to the cost of ink cartridges and volume of printing inherent with required regulatory documentation. Ink-Jet type printers will not be acceptable for this application. Software must be capable of complete method control, positive sample tracking and printable reports.
- Must be able to print sample reports containing all pertinent information about sample ID, chromatograms and analyte concentrations based on calibration data stored for positive sample tracking. The ability to customize report format is preferable.
- Software management system should historically monitor eluent reagents, column data, calibration and sample data
- Must have built in Auto Suppression control.
- Must have an access door for easy viewing and maintenance of the chromatography components.
- Must include integrated autosampler with sample filtering capability. Autosampler must have capacity to load a minimum of 100 samples per analysis run. The autosampler has to be completely controlled by system software including sample ID's and descriptions.
- Autosampler must include all sample racks or carousels needed for analysis of a minimum of 100 samples by EPA Method 300.0, 300.1 continuously. It must have a built-in rinse feature, and a sample filtration feature is also required to eliminate unwanted particulates from entering system.
- Autosampler must have inert, nonmetallic PEEK (polyetheretherketone) components throughout for metal contamination-free chromatography.
- Autosampler system (or attached equipment) and software must have the ability to recognize when results are over calibration range, and auto dilute samples automatically to bring the sample result within the calibration range for any specific analyte (that initially exceeded that range.) This must be fully automated with no stoppage during a continuous run.
- Autosampler must be able to dilute analytical standards, so a calibration curve of increasing concentration can be formed from one stock standard run at different dilutions.

- Included with the instrument should be a maintenance kit including frequently used consumables (ferrules, tubing, connectors, in-line filters and tools used for basic system maintenance)
- Vendor shall provide buyer with on-site requirements needed for installation of unit. (ie. drains, electrical supply, gas supply)
- Must provide onsite setup of new instrumentation including initial verification of instrument function and proof of detection limit capability. On-Site installation shall include training of two lab technicians for basic operation and maintenance of the instrument including software setup of methods and sample analysis.
- Training for (2) technicians will be provided for all facets of instrument operation, maintenance and troubleshooting. This training can be provided in-house or can be arranged off-site with scheduling to be mutually determined. All travel and accommodations are to be paid by the vendor chosen if training is off-site
- Once the bid is awarded and the order is placed the instrument should be delivered and installed in a reasonable timeframe, not to exceed 8 weeks.
- Vendor must be able to supply on-site instrument repair utilizing a regional technical service technician. Scheduling of service will be mutually agreed upon on a case-by-case basis within a reasonable timeframe (72 hours from initial call, unless other arrangements are set)
- The vendor will provide the buyer with the ability to purchase a service contract for the entire system after the completion of the warranty period. The cost of this contract will be provided to the buyer during the first year of operation.
- The vendor will provide a list of references, application specialists, technical service and sales representatives and their locations.
- Consumables and instrument replacement parts must be readily available from the specific vendor
- Instrument will come with a minimum of 1 year warranty, which will include (1) Preventative Maintenance service visit performed before the end of the warranty period. This PM will be at no-cost to the purchaser and will include all normally replaced consumables, travel and labor.