

INVITATION FOR BID
February 20, 2024

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| INVITATION FOR BID NUMBER | IFB 24-010 |
| NAME OF BID | Purchase of a Methane Gas Vacuum Pump |
| BIDS WILL BE RECEIVED AT | MAWSS Bid Box Donaghey Business Entrance 4725A Moffett Road or PO Box 180249 Mobile, AL 36618 |
| BID OPENING DATE | February 27, 2024 |
| BID CLOSING TIME | 10:30 am Central Time |
| AWARD WILL BE MADE BY | Total Cost & Lead Time |
| MATERIAL DELIVERED TO | MAWSS Wright Smith WWTP 1879 N. Conception St Rd Mobile, AL 36610 |
| ADDITIONAL INFORMATION CONTACT | Tedric Scott (251) 378-3532 or (251) 709-4711 Email: tscott@mawss.com |
| APPLICABLE SDP POLICY | None |

Sealed bids must be in the Purchasing Department no later than the time specified in order to be considered. Submissions received after the deadline will not be considered. Envelopes must bear the name of the supplier, company address and the words “IFB 24-010 Methane Gas Vacuum Pump” or “IFB 24-010 # NO QUOTE.” Facsimile or email bids will not be accepted.

All bids must be submitted on the attached forms or your bid will be disqualified. Bidder shall furnish all the information required by the solicitation. The bidder’s name must be typed or printed on the bid sheet, and signed by the bidder or appropriate authorized executive officer of the bidder’s company. Bidders must initial any changes or erasures. Bidders should retain a copy of bids for their records.

Bidders shall acknowledge receipt of all addenda to this solicitation by signing and returning each addendum or by identifying the addendum number and the date on the bid form. Failure to acknowledge receipt of any addendum by a bidder will result in rejection of the bid if MAWSS determines that the addendum contains information that materially changes the requirements.

All bids shall be quoted FOB Destination, freight prepaid with no additional charges. Unless otherwise specified in the bid, all prices will be on a firm-fixed price basis and are not subject to adjustments based on costs incurred. MAWSS reserves the right to reject any or all bids submitted, to waive any informality in any bid or in the bid process, or to terminate the bid process at any time, if deemed by MAWSS to be in MAWSS’s best interest.

A Purchase Order and this “Invitation for Bid” with “Specifications,” “Conditions,” “Bid Form,” signed by the successful bidder’s authorized representative, and all attached drawings and other documents furnished by MAWSS to the bidders with the Invitation for Bid in order to illustrate the contract requirements, will constitute a contract for the goods and/or services to be purchased.


Joyce Sawyer, Buyer II
Board of Water and Sewer Commissioners

IFB 24-010 METHANE GAS VACUUM PUMP CONDITIONS

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids for the **Methane Gas Vacuum Pump** in our Purchasing Department Bid Box located in the Business Entrance at 4725 Moffett Road Suite A, Mobile, AL 36618 **no later than 10:30 a.m. local time on February 27, 2024**. Bids will be opened immediately after in the Board room located at the Customer Service entrance. Award will be by **Total Cost & Lead Time**. The bidder offers and agrees, if this bid is accepted, to furnish the items as defined in the specifications for the unit price set opposite each item. Pricing shall be FOB Mobile, Alabama. All items shall be delivered to **Wright Smith Jr. WWTP** located at **1879 Conception St Rd.** or to the job site as needed. The bidder shall state the expected length of delivery time on the Bid Form.

Bidder understands and agrees that manufacturer and part numbers are provided for descriptive purposes only. Items of equal or better quality will be considered but must be approved by MAWSS in writing. Upon delivery, if the quality, durability or performance of any product represented as equal or better is determined by MAWSS to be unsatisfactory, MAWSS will require a suitable substitute or will require that the originally specified item be delivered, at the unit price originally offered by bidder. No substitution for items to be provided pursuant to this contract shall be permitted during the contract period without the express written consent of MAWSS. All items provided shall be for commercial use and for the purposes reflected in the contract documents.

No bid on closed out or discontinued item(s) will be accepted. Item(s) that have a determinable shelf life must be disclosed at the time of bid submittal. Bidder understands that his/her bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

MAWSS shall not be committed to the purchase of a pre-established minimum quantity for any one item.

A bidder may not modify its bid after bid opening. Errors in the extension of unit prices stated in a bid or in multiplication, division, addition or subtraction in a bid may be corrected by the MAWSS Purchasing Buyer prior to award. In such cases, unit prices shall not be changed.

It is the responsibility of the bidder to determine prior to the bid opening whether any amendment, additions, deletions or changes of any type have been made to this Invitation for Bid, Conditions, Specifications, Bid Form or any of the other bid documents. Bid documents and any amendments made to this bid will be posted on our website at www.mawss.com.

Invoicing Requirements: MAWSS is requiring additional information for all work performed and services provided. On the vendor's invoice for payment should be a detailed listing of work performed, services provided, dates completed, locations involved and any other pertinent information needed to verify the work and/or services were completed in accordance to the bid specs. This additional information can be supplied in the form of detailed invoices, work orders, checklists or any other documents used to track the work performed or services provided but details must be included on the actual invoice. A copy of the invoice and these additional details must be sent to the "ADDITIONAL INFORMATION CONTACT" found on Page 1 of the bid documents and a copy emailed to Accounts Payable at AcctsPayable@mawss.com.

END OF CONDITIONS

**IFB 24-010 METHANE GAS VACUUM PUMP
SPECIFICATIONS**

Provide (1) One Stainless Steel Liquid Ring Vacuum Pumps for the Wright smith, Jr., WWTP.

PART 1 GENERAL

1.01 There shall be supplied One (1) stainless steel liquid ring vacuum pump unit(s) specifically designed to pump methane gas produced from anaerobic digesters.

1.02 **QUALITY ASSURANCE**

- A. All pumping equipment furnished under this Section shall be of a design and manufacture that has been used in similar applications and it shall be demonstrated to the satisfaction of the Owner that the quality is equal to equipment made by that manufacturer specifically named herein.
- B. To ensure a consistent high standard of quality, the manufacturer of this pumping equipment shall comply with the requirements of the ISO 14001 Environmental Management Systems, and such compliance shall be verified by an independent certification agency approved by the international Organization for Standardization. Documentation shall be submitted for approval showing compliance with this requirement, and the equipment will not be released for shipment until approved.
- C. Pump(s) only, no accessories shall be included. Pump manufacturer to insure compatibility and integrity of the individual components, and provide the specified warranty for all components. The pump manufacturer accepts unit responsibility for each pump assembly.
- D. The vacuum pumps specified in this section shall be furnished by and be the product of one manufacturer.

1.03 **SUBMITTALS**

- A. The submittal data shall be prepared, in its entirety, by the equipment manufacturer. Shop drawings prepared by the manufacturer's sales representative, fabrication shop or other that the listed manufacturers shall not be acceptable. No additions or modifications to the manufacturer's submittal will accepted, with the sole exception of a cover sheet provided by the manufacturer's local representative.

1.04 **OPERATION AND MAINTENANCE DATA**

- A. Submit two copies of manuals operation and maintenance with shipment of equipment.
- B. Include installation instructions, assembly views, lubrication instructions, and replacement parts lists.

1.05 **SERVICES OF MANUFACTURER**

- A. Furnish the services of a representative of the pump manufacturer to assist in adjusting and testing the equipment furnished, to supervise the initial operation, and to make final adjustments as may be necessary to assure the MAWSS staff that the pump(s) is (are) in satisfactory operating condition.

**IFB 24-010 METHANE GAS VACUUM PUMP
SPECIFICATIONS (CONT'D)**

- B. Furnish sufficient supervision, data, and information from the manufacturer to train operators in the proper operation and maintenance of the pump(s) furnished.

Part 2 PRODUCTS

2.01 PERFORMANCE

- A. The pumps shall be designed for continuous operation and will be operated continuously under normal service.
- B. OPERATION CRITERIA
 - 1. The capacity of each compressor at 10 PSIG shall be 160 CFM and require a maximum of 4 GPM of seal water. The MAWSS supplied motor will use a 15 hp, 1800 rpm.

2.02 DESIGN

- A. The compressors are oil free, single stage. Positive displacement, non-pulsating, liquid ring compressors with shrouded rotors, conical porting (flat port plates are not allowed) to facilitate adjustments of internal clearances, and 316 bodies cast a single piece (no tie rods allowed). The bearing brackets shall be ductile iron.
- B. BEARING HOUSING
 - 1. The bearing housing shall be of cast iron, ASTM A48CL-25.
- C. SHAFT SEALING
 - 1. Mechanical Seal
 - a. The seal shall be a John Crane Type 9 single mechanical seals.

2.03 ASSEMBLY

- A. Complete assembly shall have a 2-year warranty from delivery or 18 months from start up.
- B. Vendors pump assembly must fit existing piping. If pump assembly does not match existing piping, vendor must provide necessary piping changes and fittings, at vendor's cost, to assure proper installation.
- C. Vendors are required to make a site visit and obtain field measurements.

END OF SPECIFICATIONS

**IFB 24-010 METHANE GAS VACUUM PUMP
BID SHEET**

Total Cost \$ _____

Delivery (ARO): _____
(After receipt of order)

Payment Terms _____

Company Name _____

Address _____

City, State, Zip _____

Submitted By _____ **Title** _____
Please Print

Phone _____ **Email Address** _____
Please Print

The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to the all of the terms and conditions of this agreement.

Signature _____ **Date** _____