MOBILE AREA WATER & SEWER SYSTEM
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Mobile Area Water and Sewer System
4725 Moffett Road
Mobile, AL 36618-2236

PO Box 180249
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INVITATION FOR BID
NOVEMBER 4, 2026

INVITATION FOR BID NUMBER	**IFB 26-066**
NAME OF BID	**Purchase of Two (2) Trailer Mounted 6" Diesel Auxiliary Pumps**
BIDS WILL BE RECEIVED AT	**MAWSS Purchasing Dept. Bid Box** **East Visitor Entrance** **4725 Moffett Road** **Mobile, AL 36618** **If sending bids by UPS/Fed Ex, deliver to:** **1610 Shelton Beach Rd. Ext., Mobile, AL 36618** **Attn: Purchasing** **with IFB# marked on envelope**
BID OPENING DATE	**November 18, 2026**
BID CLOSING TIME	**10:30 am Central Time**
AWARD WILL BE MADE BY	**Total Cost & Lead Time**
MATERIAL DELIVERED TO	**MAWSS – Lift Station Department** **1610 Shelton Beach Road Ext.** **Mobile, AL 36618**
ADDITIONAL INFORMATION CONTACT	**Terry Herman at (251) 378-3509 or** therman@mawss.com
APPLICABLE SDP POLICY	**None**

Sealed bids must be in the Purchasing Department no later than the time specified 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 26-066 Diesel Auxiliary Pumps Purchase**" or "**IFB 26-066 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 Commisioners

IFB 26-066 TRAILER MOUNTED 6" DIESEL AUXILIARY PUMPS
CONDITIONS

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids for the **Diesel Auxiliary Pumps Purchase** in our Purchasing Department Bid Box located at the East Visitor Entrance at 4725 Moffett Road, Mobile, AL. 36618 **no later than 10:30 a.m.** local time on **November 18, 2026**. Bids will be opened immediately after bid closing time in the Operations Center Board room located at the East Visitor 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 our **Lift Station Dept.** located at **1610 Shelton Beach Rd. Ext., Mobile, AL 36618** 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 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.

Bidder understands and agrees that quantities will be purchased by MAWSS on an "as needed" basis to replenish inventory. 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 other bid documents. Bid documents and any amendments made to this bid will be posted on our website at www.mawss.com.

Invoices should be emailed to Accounts Payable at AcctsPayable@mawss.com.

END OF CONDITIONS

IFB 26-066 TRAILER MOUNTED 6" DIESEL AUXILIARY PUMPS
SPECIFICATIONS

This bid is for two trailer mounted 6" diesel auxiliary pumps for resiliency to be used in Lift Station Operations wastewater applications.

Service: Sewage

Type of Pump: Engine Driven, Fully Automatic Dry Priming, Vacuum Assisted, Run Dry, Heavy Duty Solids Handling, Horizontal Self-Priming Pump

PART 1 GENERAL

1.01 REFERENCES

A. The following is a list of standards which may be referenced in this section:

1. American Bearing Manufacturers' Association (ABMA).
2. Hydraulic Institute Standards.
3. National Electrical Manufacturer's Association (NEMA): MG 1, Motors and Generators.
4. Occupational Safety and Health Administration (OSHA).

1.02 DEFINITIONS

A. Terminology pertaining to pumping unit performance and construction shall conform to the ratings and nomenclature of the Hydraulic Institute Standards.

1.03 SUBMITTALS

A. Action Submittals

1. Shop Drawings:

a. Make, model, weight, and horsepower of each equipment assembly.

b. Complete catalog information, descriptive literature, specifications, and identification of materials of construction.

c. Performance data curves showing head, capacity, horsepower demand, and pump efficiency over entire operating range of pump from shutoff to maximum capacity. Indicate separately the head, capacity, horsepower demand, overall efficiency, and minimum submergence required at guarantee point.

d. Detailed structural, mechanical, and electrical drawings showing equipment dimensions, size, and locations of connections and weights of associated equipment.

e. Power and control wiring diagrams, including terminals and numbers. Include all signal interfaces with the site RTU as shown on the Drawings.

f. Complete motor nameplate data, as defined by NEMA, motor manufacturer.

g. Factory finish system data sheets.

h. Power requirements for the battery charger and the jacket water heaters associated with the portable pump. Physical dimensions, enclosure type, and location for the battery charger and associated batteries.

i. Operation, Service & Parts manuals for the Pump, Engine & Control Panel included with wiring diagrams and schematics for the Pump, Engine and Control Panel.

B. Informational Submittals

1. Factory Functional Test Reports.

2. Manufacturer's Certificate of Compliance, in accordance with Section 01 61 00, Common Product Requirements, that factory finish system is identical to the requirements specified herein.

3. Special shipping, storage and protection, and handling instructions.

4. Manufacturer's printed installation instructions.

5. Suggested spare parts list to maintain the equipment in service for a period of 1 year and 5 years. Include a list of special tools required for checking, testing, parts replacement, and maintenance with current price information.

6. List special tools, materials, and supplies furnished with equipment for use prior to and during startup and for future maintenance.

7. Operation and Maintenance Data: As specified in Section 01 7823, Operation and Maintenance Data.

8. Manufacturer's Certificate of Proper Installation, in accordance with Section 01 43 33, Manufacturers' Field Services.

1.04 EXTRA MATERIALS

A. Furnish for each pump

1. Operation and Maintenance Manual.

2. Impeller.

3. Impellers wear ring/wear plate.

PART 2 PRODUCTS

2.01 GENERAL

A. Coordinate pump requirements with drive manufacturer and be responsible for pump and drive requirements.

B. Where adjustable speed drives are required, furnish a coordinated operating system complete with pump, drive, and speed controller.

C. The portable bypass pump specified will be used to pump raw sewage.

D. The pump manufacturer shall supply the pump and specified accessories.

E. The engine manufacturer shall be one of the following listed manufacturers, furnished as modified to conform to the performance, functions, features and materials of construction as specified herein. Pump manufacturer and suppliers shall be responsible for coordinating engine, coupling, and driver requirements with the engine manufacturer.

1. Caterpillar
2. John Deere
3. Cummins
4. Approved equal by the owner.

F. The only acceptable manufacturers shall be:

1. Cornell
2. Pioneer
3. Godwin

G. Design Requirements

1.	Max Flow	2200 GPM
2.	Minimum Solid Handling Size	3 Inches
3.	Max TDH	120 TDH
4.	Minimum Suction Lift	20 Feet
5.	Suction Connection	6” 150# ANSI B16.5
6.	Discharge Connection	6” 150# ANSI B16.5

2.02 SUPPLEMENTS

A. Some specific requirements are attached to this section as supplements.

2.03 COMPONENTS

A. The pump shall be fitted with fully automatic priming system and full flow discharge

check valve. The priming system shall be capable of priming the pump from a completely dry pump casing, and by design will not discharge pumpage into the atmosphere. The pump must be capable of running totally dry for periods of up to 24 hours, then re-priming and returning to normal pumping volumes. Priming systems that require manual water additions to facilitate pump priming are not acceptable. A demonstration of the pumps ability to repeatedly cycle from dry suction/pump/snore/pump shall be required. This will necessitate the draining of all residual water from the pump case to initiate dry suction starting conditions.

B. The sound attenuation enclosure shall be critical grade. Noise level 69DBA at 30 feet.

C. The pump shall be capable of station suction lifts to 20 vertical feet. It shall also be capable of operation using extended suction lines.

D. The unit shall have a thermostatically controlled 110V ac block heater. The electrical ratings of the heater shall not exceed 500W.

E. The equipment shall include a 12V battery, and associated battery charger, to allow for remotely starting the equipment at any time. The battery and battery charger shall be included in a weatherproof enclosure to protect them from direct exposure to the elements. The battery charger shall operate on 120V single-phase ac and the electrical demand shall not exceed 20A.

F. Casing, suction cover, separation tank: Pump castings shall be ductile iron ASTM A536 Grade 80- 55-06. Pump design shall incorporate a direct suction flow path that is in axial alignment with the impeller eye. There shall be no turns, chambers or valves between the suction flange and the impeller eye. There shall be an easily accessible drain valve from the volute to drain the water in freezing conditions.

G. Impeller: The pump impeller shall not be macerating type and fabricated from Stainless Steel or Cast Chromium Steel and shall be Brinell 220 HB or equivalent.

H. Wear Plates: Shall be fully replaceable and adjustable, fabricated of ASTM A48 Class 30 material. Wear plate clearances shall have no relationship to the ability of the pump to achieve

I. Bearings and shafts: Pump shall be fitted with bearing bracket to contain the shaft and bearings. Bearings shall be open single row bearings of adequate size to withstand imposed loads for sustained pumping at maximum duty points. Minimum ISO LIO bearing life to be 100,000 hours. Impeller shafts shall be fabricated of 1144 stress proof steel.

J. Seals: Seals shall be high pressure, mechanical self-adjusting type with silicon carbide faces capable of withstanding suction pressure to 100 psi. The mechanical seal shall be cooled and lubricated in an oil bath reservoir, requiring no maintenance or adjustment. Pump shall be capable of running dry, with no damage for periods up to 24 hours. All metal parts shall be of stainless steel. Elastomers shall be Viton. Pump should be equipped with oil site glass for level indication.

K. Pump suction and discharge fittings: Fittings shall be flanged fittings in accordance with Section 40 27 01, Process Piping Specialties. The manufacture shall provide (2) two Cam-Lock fittings. The size will be determined by suction and discharge size of the pump.

L. Pump gaskets: Gaskets shal1 be compress fiber and/or Teflon.

M. Drive unit: The drive unit shall be a diesel water-cooled engine, Tier 2 or Tier 3, and **not** require diesel exhaust fluid to operate. The engine shall drive the pump by use of direct connected intermediate drive plate. Starter shall be 12-volt electric with a battery charger. Safety shut down switches for low oil pressure and high temperature, low fuel level warning, and overspeed protection shall be provided. Battery shall have l80-amp hour rating. Unit shall include a tachometer and hour meter. The engine shall be complete with a primary fuel filter and JIC fittings on the fuel lines. The unit shall have an engine coolant reservoir. The unit shall include oil and coolants drain service hoses.

N. Exhaust: Exhaust system shall include muffler and anti-rain flapper device.

O. Fuel Tank: Shall be sized to provide a runtime of 24 hours under full engine load.

2.04 INSTRUMENTATION AND CONTROLS

A. Automatic Engine/Pump Controller: Fully programmable microprocessor engine control system allowing for inputs from level, flow, pressure transducers or float switches. Manual, automatic, and remote state functions. Programmable relays with selectable features including pump running failure. RS-232 and RS-485 communication ports for communication with SCADA and alarm equipment. Unit shall be capable of auto throttling engine RPM in response to changing pressure/leve1f1ow transducer signals. Maintains event history of all warning alarms up to 32 signals. User pre-set for engine RPM to maintain flow and head parameters when running unattended. Unit shall track oil and filter usage and alter operator when replacement is recommended. Diesel engine warm up and cool down cycle. And shall be programmable for weekly scheduled auto starts.

B. Input/Output with the site control system.

1. Accept the following discrete input, which will be an unpowered contact.

    a. When this contact is received, engine shall run. When contact opens, engine shall not run.

2. Provide the following discrete outputs. Each output shall be SPDT, Form C and rated for 30Vdc at 10 max.

    a. Engine Running.

    b. Common Alarm.

3. Accept the following analog input, which will be a 4 -20 mAdc signal.

    a. Speed adjusts command. At 4 mAdc, adjust pump speed to minimum RPM. At 20 mAdc, adjust pump speed to maximum RPM. Between 4 and 20 mAdc, linearly adjust engine speed in proportion to current.

2.05 WARRANTY

A. The manufacturer shall furnish the following to the owner: a copy of the engine manufacturer's parts and labor warranty, a 2-year parts and labor warranty issued by the manufacturer on the portable bypass pump system. This warranty must cover all pump parts, including the mechanical seal.

2.06 ACCESSORIES

A. Equipment Identification Plate: 16-gauge stainless steel with I14-inch die stamped equipment tag number securely mounted in a readily visible location.

B. Lifting Lugs: Equipment weighing over 100 pounds.

C. OSHA-approved coupling guard for direct coupled or belt driven pumps.

D. Enclosure: The enclosure shall be Type 316 stainless steel or heavy powder coat finish and include the following capabilities and components: adjustable rear jack(s), lifting ports, lockable enclosure battery box, lockable enclosed control panel, lockable enclosed engine housing, and internal 24-hour fuel source. There shall be no plastic components, and all wall panels shall be reinforced with cross beams and ridged.

E. Trailer: The unit shall be mounted on a trailer suited for highway travel at 50 mph and wired for over the road usage per applicable DOT standards. The pump and engine shall be trailer mounted with a Pintle type trailer hitch. Tires and torsional flex type axels adequately sized for the required load range ratings. Trailers shall be equipped with fenders made of the same metallic material as the enclosure panels or a greater thickness, electric brakes, and front and rear support stands, lifting bar safety chains and side and rear reflectors. Trailer design shall be in compliance with applicable DOT regulations.

F. Governor: Governor shall be a mechanical type. Engine speed shall be adjustable to operate the pump between maximum and minimum design operation speeds.

G. Two permanently mounted twist lock pigtails coming from the controller mounted to the exterior of the enclosure with dust caps. The mating pigtails shall also be provided.

1. “A” shall be for the control floats.

2. “B” shall be for the SCADA outputs.

H. Murphy Type Engine Controller

I. Trimax Type Locking Wheel Lock

J. On/Off & High-Level Floats

K. The vendor shall provide a onetime service to the pump drive engine once the “Break-in Period” has been reached per the engine manufacture recommendation.

L. There shall be visible from the pump controller area, a suction and discharge pressure gauge.

2.07 FACTORY FINISHING

A. The surface color shall be Sherwin - Williams Croissant SW7716.

2.08 SOURCE QUALITY CONTROL

A. Factory Inspections: Inspect control panels for required construction, electrical connection, and intended function.

B. Factory Tests and Adjustments: Test any equipment and control panels actually furnished.

C. Factory Test Report: Include test data sheets, curve test results, certified correct by a registered professional engineer.

PART 3 EXECUTION

3.01 FIELD QUALITY CONTROL

A. Performance Test:

1. Conduct on each pump.
2. Perform under simulated operating conditions.
3. Test for a continuous 1-hour period without malfunction.
4. Test Log: Record the following:
    a. Total head.
    b. Capacity.
    c. Horsepower requirements.
    d. Flow measured by factory instrumentation and storage volumes or flowmeters on discharge piping.
    e. Average distance from suction well water surface to pump discharge centerline for duration of test.
    f. Pump discharge pressure converted to feet of liquid pumped and corrected to pump discharge centerline.
    g. Calculated velocity head at the discharge flange.
    h. Field head.
    i. Driving motor voltage and amperage measured for each phase.

3.02 MANUFACTURER'S SERVICES

A. Manufacturer's Representative: Present at Site designated by Owner

- 1/2 person-day for installation assistance and inspection
- The vendor shall provide a onetime service to the pump drive engine once the “Break-in Period” has been reached per the engine manufacture recommendation.

END OF SPECIFICATIONS

IFB 26-066 TRAILER MOUNTED 6" DIESEL AUXILIARY PUMPS
BID SHEET

Qty	Item	Mfr/Model	Unit Cost	Ext. Cost
2 ea	**Two (2) Trailer Mounted 6" Diesel Auxiliary Pumps**			
1 ea	**Freight or other Misc. charges, if applicable**			
			TOTAL COST*	

***Total cost must include <u>all</u> charges/fees, including but not limited to, freight, tariffs, etc.**

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

Company Name_____ Payment Terms_____

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 all terms and conditions of this agreement.

Signature_____ Date _____