

**INVITATION FOR BID**  
**October 5, 2023**

INVITATION FOR BID NUMBER	IFB 23-045
NAME OF BID	Turbine Pump Repair Re-Bid for Big Creek Lake
BIDS WILL BE RECEIVED AT	MAWSS Bid Box Donaghey Business Entrance 4725A Moffett Road or PO Box 180249 Mobile, AL 36618
BID OPENING DATE	October 19, 2023
BID CLOSING TIME	10:30 am Central Time
AWARD WILL BE MADE BY	Total Cost & Lead Time
REQUIREMENT*	Mandatory site visit to view pump is required before bids are due
MATERIAL DELIVERED TO	S Palmer Gaillard Pumping Station 1450 Pumping Station Road Mobile, AL 36608
ADDITIONAL INFORMATION CONTACT	Steve Davis (251) 463-7021 Email: <a href="mailto:sdavis@mawss.com">sdavis@mawss.com</a> Markus Moore (251) 721-0828 Email: <a href="mailto:mamoore@mawss.com">mamoore@mawss.com</a>
APPLICABLE SDP POLICY	17-01

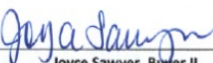
Sealed bids must be in the Purchasing Department no later than the time specified in order to be considered. Submissions received after the deadline will not be considered. Envelopes must bear the name of the supplier, company address and the words "IFB 23-045 Turbine Pump Repair" or "IFB 23-045 NO QUOTE." 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 23-045 TURBINE PUMP REPAIR CONDITIONS

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids to **IFB 23-045 Turbine Pump Repair** in our Purchasing Department Bid Box located at 4725 Moffett Road Suite A, Mobile, AL 36618 **no later than 10:30 a.m.** local time on **October 19, 2023**. 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 **Big Creek Lake Pumping Station** located at **1450 Pumping Station Rd, Mobile, AL 36608** or to the job site as needed. The bidder shall state the expected length of delivery time on the Bid Form.

There will be a **mandatory site visit** to view the pump **before** bids are due. Contact Steve Davis to set up a time to visit at 251-463-7021 or Markus Moore at 251-721-0828.

**\*Note:** If a site visit has already been completed for IFB 23-042, a 2<sup>nd</sup> visit is not required.

A general contractors license is **required** for any work over \$50,000. License must be valid at the time of bid submittal.

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](http://www.mawss.com).

A copy of the SDP (Supplier Diversity Program) policy that applies to this Invitation For Bid can be furnished upon request. The policy can also be found on our website at <https://www.mawss.com/bids/>. It is the responsibility of the bidder to read and meet the requirements of this policy. Please contact the Supplier Diversity Program Manager, Felicia Thomas, at 251-694-3194 or [ftomas@mawss.com](mailto:ftomas@mawss.com) for any questions regarding this policy. **Bidders MUST acknowledge receipt of this policy and submit all the required documentation with the bid proposal.**

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](mailto:AcctsPayable@mawss.com).

### **END OF CONDITIONS**

**IFB 23-045 TURBINE PUMP REPAIR  
SPECIFICATIONS**

**Work Scope to Repair Pump # 6 For Big Creek Lake Pumping Station**

**Layne Vertical Turbine  
Type: DRMC Size 38**

- A. Transport pump from Mobile Area Water & Sewer System in Mobile, AL. After repairs are finished, the pump must be assembled, match marked, and disassembled. The pump will be transported back to Big Creek Lake and installed, including the motor. Mobile Water will provide an electrician for motor connections. The successful bidder will provide supervision for impeller adjustment and start up on site.
- B. The complete pump must be sand blasted and coated with Engard 460 (or equivalent) ID and OD. The discharge head water passage and packing box wet surfaces will also be coated with Engard 460. The outside of discharge head and packing box will be painted Burma green. MAWS to furnish paint formula so it will match the other existing pumps. Must have coating equivalency approved by Steven Davis at MAWSS.

**Machine work required for Pump # 6 for Big Creek Lake Pumping Station**

1. Discharge Head

- A. The discharge has a ½" threaded hole, clean threads with tap.
- B. The discharge flange has a ¼" threaded hole, clean out the hole and plug.
- C. The discharge column flange alignment register will be welded and machined for .003"-.005" clearance. While setup, the discharge head will be machine checked for concentricity and parallelism of motor register, face, packing box register, if parallelism or concentricity exceeds .002" lightly machine all three faces.
- D. Replace all the ½" pipe and fittings between the discharge head base plate and packing box.

2. Packing Box

- A. Weld the alignment register and machine to .003 to .005 clearance to the packing box alignment register fit inside the discharge head.
- B. Packing box bearing froze to pump shaft and shaft has been cut below packing box. Repair packing box as required.

**IFB 23-045 TURBINE PUMP REPAIR  
SPECIFICATIONS (Cont'd)**

3. Bearing Retainers (3)

- A. Weld and machine the male registers to allow .003" / .005" clearance. Check concentricity of the outside diameter to the bore.
- B. Machine the flange faces to ensure parallelism.

4. Column (4) Sections

- A. Set-up and machine female registers. The clearance between alignment registers is to be .003"-.005.
- B. The columns will be pad welded and machined to re-establish .000"-.001" fit to the bearing retainers. The flange faces and registers will be machined parallel and concentric to within .002" from end to end.

5. Bowls (2) Discharge Case (1)

- A. Pad weld and machine alignment registers and machine the female registers to allow .003 -.005 clearance. Remove old bearings (2ea) and install new bearings. Check register and wear ring concentricity to the bearing bore.

6. Impellers (2)

- A. The two impellers will be cleaned, checked, and re-used if they are in satisfactory condition. They were replaced in 2010 with 316 SS impellers with the operating design of 25.4 MGD or 17,639 GPM.

7. Shafting

- A. (1) new pump shaft will be manufactured and installed using 416 ss PSQ shafting (seized in packing box). All other shafts will be polished, straightened and checked for tolerance. It will remain 3 7/16" dia. New 420 SS shaft sleeves will be provided and installed maintaining current outside diameter. The sleeves will be heat treated 28-32 Rc hardness and are to be keyed and set screwed using three tapped holes equally spaced. New 416 SS couplings will be provided.

8. Upper Headshaft

- A. Polish and straighten.
- B. The shaft end, that is connected to the lower headshaft will be turned down and threaded with 3 7/16" threads.

**IFB 23-045 TURBINE PUMP REPAIR  
SPECIFICATIONS (Cont'd)**

**Replacement Parts Required For No. 6 Big Creek Lake Pump**

<b>QTY</b>	<b>DESCRIPTION</b>	<b>MATERIAL</b>
1 ea	Discharge Flange Gasket	Red Rubber
1 ea	Packing Box Gasket	Garlock
1 ea	Packing Box Bearing	Bronze 660
3 ea	Line Shaft Bearings	Bronze/Rubber
4 ea	Bowl Bearings	Bronze 660
1 ea	Bell Bearing	Bronze 660
1 ea	Line shaft 3 7/16" Dia.	416 SS PSQ
	Pump shaft 3 7/16" Dia. (polish and straighten)	416 SS PSQ
3 ea	Lineshaft sleeves	420 SS 28-32 Rc hardness
1 ea	Lower Head Shaft Sleeve	420 SS 28-32 Rc hardness
	Impellers (clean and reuse)	316 ss
2 ea	Impeller Seal Rings	C95400. Al. Brz
1 ea	Bowl Ring	C95500 Ni. Al. Brz
1 ea	Bell Ring	C95500 Ni. Al. Brz
5 ea	3 7/16" DIA shaft couplings	416 SS
1 Set	Packing	Sepco Graphite #ML 4002

Clean and reuse all bolts and replace as necessary. Pump bolts are 304 SS and require Teflon anti-seize on installation of all bolts, sleeves, etc.

Note: Re-use existing discharge flange bolting.

**END OF SPECIFICATIONS**

**IFB 23-045 TURBINE PUMP REPAIR  
INSURANCE REQUIREMENTS**

- A. **General:** The Supplier shall provide insurance in accordance with the required specifications. A current certificate of insurance must be provided with your bid. MAWSS does not need to be named as an additional insured on this certificate.
- B. **Supplier Coverage:** The Supplier shall not commence work under this Contract until he has obtained all insurance required under the following paragraphs and until such insurance has been approved by the Owner, nor shall the Supplier allow any subcontractor to commence work on his subcontract until all similar insurance required of the subcontractor has been obtained and approved. If the subcontractor does not take out insurance in his own name, the Supplier shall provide such insurance protection for the subcontractor and such subcontractor's employees.
- C. **Casualty Insurance:** The following insurance coverages (with limits not less than specified herein) shall be maintained by the Supplier for the duration of the Contract, affording coverage for any claim arising out of Supplier's operations herein, whether by the Supplier or by any subcontractor or by any Employee or Agent of either:
1. Claims of employees under Worker's Compensation and other similar employee benefit acts, including claims because of bodily injury, occupational sickness or disease, or death.
  2. Claims arising out of bodily injury, sickness, disease, or death of any person other than employee.
  3. Claims for damages arising out of libel, slander, false arrest, detention or imprisonment, malicious prosecution, defamation or violation of right of privacy, wrongful entry or eviction or other right of private occupancy, including claims as a result of an offense related to the employment of a claimant by Contractor (so-called "Personal Injury").
  4. Claims arising out of damage to or destruction of tangible property, including loss of use.
  5. The Supplier shall furnish certification of insurance and policies verifying that the above coverages are in effect before commencing any work, and that each policy is endorsed to give the Owner 30 days notice in writing in the event of cancellation or material change therein.

Policies of Insurance shall state that the Owner and the Owner's employees be named as additional insureds on the Supplier's Automobile Liability and Commercial General Liability policies. In respect to Worker's Compensation, a Waiver of Subrogation shall be issued in favor of the Owner. Where applicable, the U.S. Longshore and Harborworkers Compensation Act Endorsement shall be attached to the policy. Where applicable, the Maritime Coverage Endorsement (to include coverage under Jones Act) shall be attached to the policy. Both the U. S. Longshore and Harborworkers and the Maritime Coverage shall have limits equal to or greater than the employer's liability coverage.

6. Rated by AM Best – A- or better. For non-admitted companies, a rating of A or better by AM Best.
  - a. At the discretion of the Board, worker's compensation insurance may be placed through a qualified worker's compensation self-insurance fund.

b. **Limits of Liability:**

<b>Worker's Compensation</b>	Statutory
<b>Employers' Liability</b>	\$500,000 Each Accident \$500,000 by Disease, Policy Limit \$500,000 by Disease, Each Employee
<b>Commercial Automobile</b>	\$1,000,000 Each Accident Bodily Injury and Property Damage Combined Business Auto Includes All Owned, Leased, Hired and Non-Owned Automobiles
<b>Commercial General Liability</b>	\$1,000,000 per Occurrence \$1,000,000 Personal & Advertising Injury \$2,000,000 General Aggregate per Project \$2,000,000 Products & Completed Operations Aggregate \$100,000 Fire Damage Liability

**Umbrella Liability:** In addition to the basic limits previously set out for Commercial General Liability, Products and Completed Operations, Automobile Liability and Worker's Compensation, coverage shall be issued with a "pay on behalf of" wording, including Personal Injury and other extensions, and provide coverage at least as broad as that afforded by the primary insurance policies.

**Extensions (only if applicable):**

Blanket Contractual Liability	Blanket Collapse and Underground Coverage
Personal Injury	Broad Form Property (including Completed Operations)
Host Liquor Liability	Employees as Additional Insureds
Non-owned Watercraft Liability	Incidental Medical Malpractice
Worldwide Products	Extended Bodily Injury (Assault and Battery)
Fire Legal Liability	
Newly Acquired Organizations	

When and if the use of explosives for blasting purposes appears necessary or desirable, such methods shall not be undertaken without written authorization of the Owner, and then only provided that acceptable extensions of liability coverage have been obtained specifically to include the explosion ("X") hazard and the collapse ("C") hazard. The policy of general liability shall include the special underground property damage coverage (providing the so-called "U" hazard) on a blanket basis.

- D. **Owner's Protective Liability:** The Supplier shall furnish from a carrier acceptable to the Owner, a policy of liability insurance, commonly called "Owner's Protective Liability" in the name of the Board of Water and Sewer Commissioners of the City of Mobile, d/b/a MAWSS, providing "Independent Contractor's Coverage" for the operations embraced by this Contract with limits of \$1,000,000 bodily injury and \$1,000,000 property damage. Policy shall be endorsed that the premium is to be paid by the named Supplier.

**END OF INSURANCE**

**IFB 23-045 TURBINE PUMP REPAIR  
SDP POLICY ACKNOWLEDGEMENT**

A copy of the SDP policy that applies to this Invitation For Bid has been included in this package. It is the responsibility of the bidder to read and meet the requirements of this policy. Please contact the Supplier Diversity Program Manager, Felicia Thomas, at 251-694-3194 or [ftthomas@mawss.com](mailto:ftthomas@mawss.com) for any questions regarding this policy. **Bidders MUST acknowledge receipt of this policy and submit the all required documentation with the bid proposal.**

Bidders shall take all necessary and reasonable steps in accordance with this Policy to ensure that Diverse Contractors/Suppliers have the maximum allowable opportunity to compete for subcontracts and contracts for services, supplies, or other goods. Bidders shall not discriminate in awarding subcontracts and supplier contracts on the basis of race, color, national origin, ethnicity, or sex, during the bid process as well as during performance of a MAWSS contract.

**The following documentation must be included in the bid proposal.**

- SDP Policy Acknowledgement **and**
- SDP Subcontracting Plan **and**
- Written correspondence from each Diverse Contractor/Supplier

**OR**

- SDP Policy Acknowledgement **and**
- SDP Subcontracting Plan **and**
- Affidavit of Contractor’s Good Faith Efforts to Meet Supplier Diversity Goals **and**
- Documentation supporting the statements in the Affidavit

Please refer to the attached policy for more information regarding these requirements as well as all other requirements of this policy.

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 requirements of this policy.

Company Name \_\_\_\_\_

Submitted By \_\_\_\_\_ Title \_\_\_\_\_  
Please Print

Signature \_\_\_\_\_ Date \_\_\_\_\_



## IFB 23-045 TURBINE PUMP REPAIR SDP SUBCONTRACTING PLAN

In order for your proposal to be considered, must complete all blanks in this Subcontracting Plan and sign with a handwritten signature where indicated below and include this form in your proposal.

**Failure to fill in the blanks on this Subcontracting Plan and/or to include a handwritten signature will be cause for rejection of your bid.**

It is MAWSS's goal that in all contracts, contractors shall make a demonstrated good faith effort to award 15% of the contract amount to certified Diverse Contractors/Suppliers as subcontractors and/or suppliers performing commercially useful functions which are consistent with contract requirements.

Copies of MAWSS SDP Policy 16-01 (for public works projects), SDP/Supplier Diversity Policy 17-01 (for contracts for other goods and services), MAWSS's list of Diverse Suppliers, and lists of organizations that have information on Diverse Suppliers are available from MAWSS's Supplier Diversity Office (251-694-3194).

STATE WHAT PERCENTAGE OF THE WORK FOR THIS CONTRACT YOU PLAN TO AWARD TO SDP/DIVERSE SUPPLIER SUBCONTRACTORS AND/OR VENDORS	TOTAL %
ESTIMATED TOTAL DOLLAR AMOUNT TO BE AWARDED TO SDP/DIVERSE SUPPLIER	TOTAL \$
AMOUNT BID FOR THIS CONTRACT	TOTAL \$

If the above percentage is zero or is less than 15%, be sure to include your Affidavit of Contractor's Good Faith Efforts to Meet Subcontractor / Vendor Diversity Goals and all supporting documentation in your bid package.

Please list below all subcontractors and suppliers which you plan to use for this contract. Also indicate which of these are SDPs / Diverse Supplier by writing "Yes" or "No" where indicated. Also list for each the percentage of the total contract amount to be performed by each and the certification group the SDP / Diverse Supplier is certified with. Attach additional sheets if needed. (If you are not using any subcontractors or vendors, you will need to write "zero" below and sign the form.)

SUBCONTRACTOR/VENDOR NAME	SDP/DIVERSE SUPPLIER <small>(Yes or No)</small>	% OF CONTRACT	CERTIFICATION GROUP <small>(MAWSS, ALDOT, ADECA, SRMSDC, BCIA)</small>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**CAUTION: ACCURATELY COMPLETE ALL PARTS OF THIS FORM AND SIGN BELOW.**

**WE WILL EXERCISE GOOD FAITH TO COMPLY WITH THIS PLAN AND MAWSS' SDP REQUIREMENTS.**

\_\_\_\_\_  
BIDDER

\_\_\_\_\_  
BY

**IFB 23-045 TURBINE PUMP REPAIR  
BID SHEET**

**Total Cost**                    \$ \_\_\_\_\_

**Warranty\***                    \_\_\_\_\_  
**\*(Minimum required: 1-year parts & labor)**

**Lead Time (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** \_\_\_\_\_



## IFB 23-045 Turbine Pump Repair Re-Bid Purchasing Bid Checklist

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**Vendor must initial each section below indicating compliance with statement. Failure to complete this form and provide requested documentation could result in rejection of your company's bid.**

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- \_\_\_\_\_ 1. Mandatory site visit completed.
- \_\_\_\_\_ 2. All licenses required per the bid specs and any other state and local licenses. Over \$50,000, a general contractors license is required.
- \_\_\_\_\_ 3. Insurance Requirements met and copy provided.
- \_\_\_\_\_ 4. Supplier Diversity Package included.
- \_\_\_\_\_ 5. Understand Proposal, General Requirements, Conditions, Specifications outlined in bid package.
- \_\_\_\_\_ 6. Agree to invoicing requirements outlined in bid package.

By signing below, bidder agrees they have read and understand the terms of this bid.

\_\_\_\_\_  
Business Name of Bidder

\_\_\_\_\_  
Signature of Bidder or Authorized Agent

\_\_\_\_\_  
Date