



BID PACKAGE

GEORGETOWN COUNTY WATER & SEWER DISTRICT

CHEMICAL BULK STORAGE TANK PROJECT

BIDS DUE 09/22/26 at 2:00 PM

Contents

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INSTRUCTIONS TO BIDDERS – SUMMARY

Project: CHEMICAL BULK STORAGE TANK PROJECT

Method: SEALED BIDS

Bid Closing: SEPTEMBER 22, 2026, at 2:00 pm
(BIDS RECEIVED AFTER 2:00 PM WILL NOT BE CONSIDERED)

Bid Delivery: By Mail to: Georgetown County Water & Sewer District
Attn: Sealed Bid – Chemical Storage Tank
456 Clearwater Drive
PO Box 2730
Pawleys Island, SC 29585

Hand Deliver to:
Michael Fu Man Yip, Operations Director
Georgetown County Water & Sewer District
Administration Building
456 Clearwater Drive
Pawleys Island, SC 29585

Selection Criteria to Include:

- 1) Compliance with Specifications
- 2) Price
- 3) Warranty

INSTRUCTIONS TO BIDDERS

The Georgetown County Water and Sewer District will receive sealed bids for equipment, supplies, and services hereinafter described and specified, to be delivered to the specific location as stated in the specifications.

All bids must be in sealed envelopes and shall be in the hands of Michael Fu Man Yip, Operations Director, no later than date and time of opening, as specified in the invitation for bids. The bid opening will be held at date and time of opening in the Administration Building of the Pawleys Island location of the Georgetown County Water and Sewer District located at 456 Clearwater Drive, Pawleys Island, SC.

Sealed bids may be mailed to **Georgetown County Water and Sewer District, ATTN: SEALED BIDS, 456 Clearwater Drive. P.O. Box 2730, Pawleys Island, South Carolina 29585** or delivered to **Michael Fu Man Yip, Operations Director, at the Administration Building of the Pawleys Island location of the Georgetown County Water and Sewer District located at 456 Clearwater Drive, Pawleys Island, SC.**

Bids shall be filled out where called for in the blank spaces on proposal forms. The signature shall be in longhand and shall be the legal name of the bidder, or the authorized signatory, and the completed form shall be without interlineation, alteration, or erasure.

No oral, telegraphic or telephone proposals or modifications will be accepted. The supplier, before submitting a bid, shall carefully examine the specifications to fully inform himself as to all conditions and limitations.

All items delivered shall be free from defects in materials and workmanship. Any and all items found to be defective or failing to meet specifications shall be deemed unacceptable, removed from the premises and replaced by the equipment manufacturer at no cost to the owner.

All bids shall remain in force for a period of **90 days** and may be accepted or rejected by the owner at any time prior to the expiration of this period.

The owner reserves the right to reject any/or all bids as may be deemed best for his interest, and reserves the right to award the contract or contracts to other than the low bidder if in the interest of ultimate economy and standardization to do so.

All bids received shall guarantee items bid to meet or exceed specifications listed. If quoting other than specified, pictures, description and specifications shall accompany all bids. Bidder shall specify make and model quoted.

Items furnished, as a result of this bid **shall be delivered** to purchaser and must meet or exceed the specifications indicated on the quotation sheet. Items not conforming to specifications may be rejected and returned at the vendor's expense.

All materials, equipment, etc., shall be new and of a kind specified, and shall be in undamaged condition when turned over to the owner. The vendor shall be responsible for making any claims for items received damaged in shipment.

All prices submitted on this proposal are to be delivered prices and shall include any state or local taxes.

Reference to the manufacturer's suppliers, catalog numbers, etc., is intended to set quality standards and does not exclude bids from others as long as quality standards are met. It is the owner's intent not to accept a lesser quality than is set forth in these specifications. Manufacturer's specifications shall prevail as if written in full detail.

All bidders are to submit bids on bid forms furnished by the Georgetown County Water and Sewer District, which are enclosed. All items must have a unit price.

Questions concerning this bid should be directed to Michael Fu Man Yip, Operations Director, Georgetown County Water and Sewer District (michaely@gcwsd.com).

**BIDDERS ARE REQUESTED TO RETAIN THESE SPECIFICATIONS,
CONDITIONS, AND INSTRUCTIONS FOR FUTURE REFERENCE.**

I. GENERAL INFORMATION

- A. All bids shall be returned on the form provided by the Georgetown County Water and Sewer District as a part of the Bid Package.
- B. All bid forms shall be signed and dated on the last page of each category by the vendor. If not signed and dated, it will be considered as non-responsive to the bid request.
- C. The Georgetown County Water and Sewer District may not award on the basis of low bid only. Quality, conformity with specifications, purpose for which required, terms of delivery, terms of payment, transportation, dates of delivery, past service, and experience are among the factors that may be considered in determining the responsible bidder.
- D. In the event the low bidder(s) refuses to accept the entire requirements without deviation, their bid will then be considered non-responsive. After refusal by the first bidder, the bid may be awarded to the next lowest bidder.
- E. Specifications are written as if in full detail. Use of specific names and numbers is not intended to restrict the bidding of any seller and/or manufacturer, but is solely for the purpose of indication the type, size, and quality of materials, products, service or equipment consideration best adapted to the District's intended use.
- F. The successful bidder shall guarantee all material for a period of not less than two (2) year against defects of material or workmanship. The guarantee shall be dated from the time of acceptance. The successful bidder shall replace any material proved to be defective (except when it is clearly shown that the defects are caused by misuse and not by the manufacturer) immediately upon notification. Additional warranty considerations may be a factor in the bid award.
- G. **QUALIFICATIONS.** CONTRACTOR represents and warrants that it has the expertise and qualifications to complete the services described in the specification (scope of work) listed below, and that every individual charged with the performance of the services has sufficient skill and experience and is duly licensed or certified, to the extent such licensing or certification is required by law, to perform the Services. CONTRACTOR shall perform all work in accordance with generally accepted business practices and performance standards of the industry, including all federal, state, and local operation and safety regulations.
- H. The Contractor shall have five years practical experience and successful history in the application of specified method and products in similar projects. **The Contractor shall substantiate this requirement by furnishing a minimum of five (5) reference project completions.** The Contractor shall possess the applicable license to perform the work as herein described and as specified by local, state and federal laws.

- I. Bids delivered in Federal Express, UPS, or any other such deliverer's envelope shall be sealed in a separate envelope inside the deliverer's packaging. Failure to do this may cause the bid to be inadvertently opened and thus rejected.

II. BID OPENING

- A. Bids will be opened publicly, in the presence of one or more witnesses at the time and location designated in the invitation to bidders. Bidders are not required but may choose to attend. The amount of each bid, together with the name of each bidder, shall be tabulated. The ranking of each bidder shall be made available to all bidders.

III. METHOD OF AWARD

- A. The Georgetown County Water and Sewer District reserves the right to accept the lowest bid on all items combined from one bidder or any feasible combination of bids by items from different companies that result in the lowest bid. The selected bid shall be accepted unconditionally without alteration or correction. The invitation for bids shall set forth the evaluation criteria to be used. Criteria not set forth in the invitation for bids may not be used in bid evaluation. Bids shall be evaluated based on the requirements set forth in the invitation for bids.
- B. The award will be given to the lowest responsive and responsible bidder or bidders meeting requirements and specifications.
- C. In the event the low bidder refuses to accept the entire requirements in a category without deviation, his bid may then be considered non-responsive.
- D. A refusal by the first low bidder may result in the bids being awarded to the next low bidder meeting requirements and specifications.
- E. The Georgetown County Water and Sewer District reserves the right to accept or reject any or all bids.
- F. Correction or withdrawal of inadvertently erroneous bids after award, or cancellation of awards or contracts based on such bid mistakes, may be permitted in accordance with such procedures as the District deems appropriate. After bid opening, no changes in bid prices, or other provisions of bids prejudicial to the interest of the District or fair competition shall be permitted.
- G. In the event two or more bidders are tied in price, while otherwise meeting all of the required conditions, an award shall be determined for procurements \$25,001 or more by the Board of Directors and for procurements \$25,000 or less by the Executive Director as follows, subject to the other applicable provisions of these regulations:
 - a. Should there be a Georgetown County firm tied with an out-of-county firm, the award shall be made automatically to the Georgetown County firm.
 - b. Should there be a South Carolina firm tied with an out-of-state firm, the award shall be made automatically to the South Carolina firm.

- c. Tie bids involving South Carolina produced or manufactured products when known, and items produced or manufactured out of the State shall be resolved in favor of the South Carolina product.
 - d. Tie bids involving Georgetown County firms shall be resolved by the flip of a coin by the Executive Director, witnessed by at least two people.
 - e. Tie bids involving South Carolina firms not located within Georgetown County shall be resolved by the flip of a coin by the Executive Director, witnessed by two people
- H. Award will be made on a unit price basis, extended price basis, or in any manner that will best serve the interest of the Georgetown County Water and Sewer District.
 - I. Until award, the District reserves the right to determine not to award the contract to any bidder or to determine to re-solicit bids based upon modified terms and conditions.
 - J. If an award is to be made, the award shall be made with reasonable promptness by written notice to the lowest responsible and responsive bidder which bid meets the requirements and criteria set forth in the invitation for bids after excluding from consideration any bid or bids if there is a compelling reason to reject such bid or bids.

IV. DEFAULT

- A. If at any time the vendor makes a delivery that is not in accordance with the instructions, conditions, and specifications set forth by the Georgetown County Water and Sewer District, without the consent of the District, such delivery shall constitute grounds for the cancellation of the contract and/or removal of this vendor from the Georgetown County Water and Sewer District's vendor list, for not less than one (1) year.
- B. Any vendor issuing any type of gift, premiums, or other type of favor to any employee of the Georgetown County Water and Sewer District shall constitute grounds for the cancellation of the contract and shall be excluded from the vendor list for all future purchases of the Georgetown County Water and Sewer District.

V. INSURANCE REQUIREMENTS

- A. The Contractor shall secure and maintain in effect for the period of the contract and pay all premiums for the following kinds and amounts of insurance.

- 1. Workers Compensation and Employer's Liability Insurance

This insurance shall protect the Contractor against all claims under applicable State Workers Compensation Laws. The Contractor shall also be protected against claims for injury, disease, or death of employees, which for any reason, may not fall with the provisions of the Workers Compensation Law. The liability limits shall not be less than the required statutory limits for Workers Compensation and Employer's

Liability in the amount of One Hundred Thousand Dollars (\$100,000) for each person. This policy shall include an “all status” endorsement.

2. Contractor’s Comprehensive Public Liability and Property Damage Insurance.

This insurance covers all operations in connection with the performance of this contract in amounts not less than the following:

Bodily injury liability in the amount of Five Hundred Thousand Dollars (\$500,000) for each person and One Million Dollars (\$1,000,000) for each accident and property damage liability in the amount of Two Hundred Fifty Thousand Dollars (\$250,000) for all damages arising out of the injury or destruction of property in any one accident and subject to that limit per accident a total or aggregate limit of Five Hundred Thousand Dollars (\$500,000) for all damages arising out of injury to or destruction of property during the policy period.

3. Liability and Property Damage Insurance

The Comprehensive Public Liability and Property Damage policies shall contain an endorsement to include the coverage of the following hazards:

- (1) Explosion, collapse, and underground property damage to include any damage or destruction of property below the surface of the ground such as wires, conduits, pipes, mains, sewer, etc. caused by the Contractors operations.
- (2) The collapse of any structure injury to any building, structure, or property on or adjacent to the site’s premises caused by the Contractor operations in the removal of other buildings, structures, or supports, or by excavation below the surface of the ground.
- (3) Contractual Liability Coverage for the” Hold Harmless” segment of the Contract Document.

4. Contractor’s Contingent, Protective Liability, and Property Damage

In case part of this contract is sublet, the Contractor shall secure contingent or protective liability and property insurance to protect him or her from any claims arising from the operations of the subcontractors in the execution of work included in the contract. In no case shall the amount of such protection be less than the limits of \$500,000/\$2,000,000 for public Liability insurance. The coverage in each case shall be acceptable to the Owner.

5. Automotive Public Liability and Property Damage

The Contractor shall maintain automobile public liability insurance in the amount of not less than Two Hundred Fifty Thousand Dollars (\$250,000) for injury to one

person and Five Hundred Thousand Dollars (\$500,000) for one accident; an automobile property damage insurance in the amount of not less than Two Hundred Fifty Thousand Dollars (\$250,000) for one accident to protect him or her from any and all claims arising out of the following:

- (1) Contractor's own automobile or trucks.
- (2) Hired automobiles or trucks.
- (3) Automobiles or trucks owned by the subcontractor(s)

The aforementioned is to cover the use of automobiles and trucks on and off the site of the project.

6. Owner's Protective Liability Policy

The Contractor shall maintain the Owner's Protective Liability Insurance with the (Company/Organization) as the named insured, and their servants, agents, and employees as additional insures in the amounts not less than the following:

Bodily injury in the amount of Five Hundred Thousand Dollars (\$500,000) for each person and One Million Dollars (\$1,000,000) for each accident and property damage liability in the amount of Two Hundred Fifty Thousand Dollars (\$250,000) for all damages arising out of the injury or destruction of property in any one accident and subject to that limit per accident a total or aggregate limit of Five Hundred Thousand Dollars (\$500,000) for all damages arising out of injury to or destruction of property during the policy period.

7. Excess Liability Insurance

The Contractor shall procure additional liability insurance and umbrella Liability Insurance. The Umbrella Insurance rider shall have in total or aggregate limit of Two Million Dollars (\$2,000,000) of coverage.

8. Indemnification

The Contractor shall defend, indemnify, and hold the District, its officers, agents, and employees, harmless against all liability, loss, or expenses, including attorneys' fees, and against all claims, actions, or judgments based upon or arising out of damage or injury (including death) to persons or property caused by any act or omission of an act sustained in connection with the performance of this Contractor by conditions created thereby, or based upon violation of any statute, ordinance or regulation.

REQUESTS FOR BIDS

- **REMOVAL, DISPOSAL OF CURRENT FERRIC CHLORIDE BULK STORAGE TANK**
- **PURCHASE, DELIVERY, INSTALLATION, TESTING, STARTUP, AND COMMISSIONING OF 15,000-GALLON FERRIC CHLORIDE BULK STORAGE TANK**

1. INVITATION TO BID

Georgetown County Water & Sewer District (“District”) is soliciting sealed bids from qualified tank manufacturers, suppliers, and contractors for the removal and disposal of the existing chemical storage tank, furnishing, delivery, installation, testing, startup, and commissioning of one (1) **15,000-gallon fiberglass-reinforced plastic (FRP) bulk storage tank for 40% ferric chloride** at the Waccamaw Neck WTP located at 1975 Sandy Island Road, Litchfield, SC 29585.

The successful bidder shall furnish all labor, materials, equipment, supervision, transportation, installation, testing, commissioning, documentation, and incidental items necessary to provide a complete and operational ferric chloride bulk storage tank system.

The work shall include, but not be limited to, the purchase and delivery of the 15,000-gallon FRP tank, all tank fittings and accessories, external chemical-compatible sight tube, installation, field testing, startup, commissioning, operator training, and warranty.

The tank and all components shall be suitable for continuous storage of **40% ferric chloride**.

The attached project specification identifies removal and disposal of the current bulk tank, FRP construction, non-pressure/non-vacuum service, chemical compatibility, tank fittings, venting, access manway, level-element provisions, fabrication, quality control, and field hydraulic testing requirements.

2. SCOPE OF WORK

The successful bidder shall provide a complete turnkey project for a bulk storage tank system.

The scope shall include:

1. Removal and Disposal of the existing chemical storage tank
 2. Furnishing one (1) new 15,000-gallon FRP chemical storage tank.
 3. Tank specifically designed for 40% ferric chloride service.
 4. Fabrication of the tank and associated accessories.
 5. All required tank nozzles, fittings, flanges, gaskets, bolts, and accessories.
 6. External chemical-compatible sight tube.
 7. Tank vent and vent screen.
 8. Access manway.
 9. Tank lifting and anchorage hardware.
 10. Delivery and unloading.
 11. Installation and placement of the tank.
 12. Installation of the sight tube indication system.
 13. Installation of tank accessories.
 14. Field hydraulic testing.
 15. Startup and commissioning.
 16. Demonstration of proper operation.
 17. Operator training.
 18. O&M manuals and manufacturer documentation.
 19. Manufacturer certification.
 20. Warranty.
 21. All necessary work to provide a complete and operational ferric chloride storage system.
-

EXISTING TANK REMOVAL AND DISPOSAL

The successful bidder shall be responsible for the complete removal and disposal of the existing ferric chloride bulk storage tank.

Prior to beginning removal, the contractor shall coordinate with the District to confirm that the existing tank has been removed from chemical service and is available for removal.

The contractor shall be responsible for:

- Disconnecting the existing tank.
- Verifying that the tank is empty prior to removal.
- Cleaning and preparing the tank for removal.
- Disconnecting associated fittings and accessories as necessary.
- Removing the existing tank without damage to existing facilities that are to remain.
- Providing all cranes, rigging, equipment, labor, and supervision required for removal.
- Loading and transporting the existing tank.
- Proper disposal or recycling of the tank and associated materials.

The contractor shall comply with all applicable federal, state, and local requirements governing the handling, transportation, and disposal of the existing chemical storage tank. The contractor shall include all costs associated with removal and disposal of the existing tank in the lump-sum bid price.

3. TANK REQUIREMENTS

The tank shall be a new, factory-manufactured **fiberglass-reinforced plastic (FRP) chemical storage tank**.

The tank shall be:

- Nominal capacity: **15,000 gallons**.
- Service: **40% Ferric Chloride**.
- Construction: FRP.
- Tank type: Atmospheric, non-pressure and non-vacuum.
- Bottom: Flat.
- Top: Domed.
- Suitable for outdoor installation.
- Suitable for the environmental conditions at the District's facility.
- Suitable for continuous storage of 40% ferric chloride.
- Designed and fabricated in accordance with the tank manufacturer's engineering requirements.

The tank shall be designed with sufficient wall and head thickness for the tank size, chemical service,

specific gravity, operating conditions, and applicable environmental conditions.

The FRP chemical storage tank shall have a minimum wall/head thickness of 0.220 inches; the bidder shall provide the manufacturer's engineered wall thickness for the larger 15,000-gallon tank.

The proposed tank dimensions, including diameter, overall height, shell height, manufacture date, and operating volume, shall be on a data plate attached to the tank.

4. CHEMICAL SERVICE

The tank shall be specifically designed for:

Chemical: 40% Ferric Chloride

Minimum Tank Capacity: 15,000 gallons

The bidder shall provide written certification from the tank manufacturer that the proposed FRP tank, resin system, fittings, gaskets, sight tube, valves, and other wetted components are chemically compatible with 40% ferric chloride.

No component that comes into contact with ferric chloride shall be furnished unless it is suitable for the specified chemical service.

5. ACCEPTABLE MANUFACTURERS

The attached specification identifies the following acceptable FRP tank manufacturers:

- Raven Industries
- Belding
- Augusta Fiberglass
- Palmer Manufacturing
- Perry Fiberglass

Equivalent manufacturers may be considered provided the bidder demonstrates that the proposed tank meets or exceeds the requirements of this RFB.

The District reserves the right to approve or reject proposed equals.

6. TANK FITTINGS AND ACCESSORIES

The tank shall be furnished completely with all fittings, nozzles, accessories, supports, hardware, and appurtenances required for a complete installation.

At a minimum, the tank shall include the following:

1. **2-inch fill nozzle.**
2. **2-inch full-drain nozzle.**
3. **3-inch flanged U-vent.**
4. **2-inch top-mounted flanged connection with blind flange**
5. **24-inch flanged side access manway.**
6. **2-inch outlet nozzle.**
7. **2-inch overflow nozzle.**
8. Stainless steel lifting nuts and associated lifting hardware.
9. FRP or stainless-steel hold-down lugs.
10. Exterior mounting lugs as required.
11. External piping support brackets.
12. 40-mesh stainless steel screen between flanges on the U-vent.
13. Chemical service identification lettering.
14. All required gaskets, bolts, fasteners, and fittings.
15. All accessories required by the tank manufacturer for a complete and operational tank system.

The attached specification identifies these general tank connections and accessories for the chemical storage tank system.

Final nozzle locations shall be coordinated with the District and shall be shown on the manufacturer's shop drawings prior to fabrication.

7. EXTERNAL SIGHT TUBE AND LEVEL INDICATOR

The tank shall include a **continuous external sight tube level indicator** as part of the base bid. The sight tube shall provide District operators with a direct visual indication of the ferric chloride level within the tank.

The sight tube shall:

- Be specifically rated for 40% ferric chloride service.
- Be chemically compatible with 40% ferric chloride.
- Be constructed of materials suitable for the chemical service.

- Extend over the usable operating range of the tank.
- Provide a readily visible indication of tank level.
- Be securely mounted to the tank.
- Include appropriate isolation valves.
- Include provisions for draining and servicing the sight tube.
- Include all required fittings, tubing, valves, brackets, supports, guards, and accessories.
- Be installed in a location readily visible to plant operators.
- Be protected from accidental impact or damage.
- Be designed to prevent leakage of ferric chloride during normal operation and maintenance.

The sight tube shall be connected to the tank in accordance with the tank manufacturer's recommendations.

The bidder shall provide the following information with the shop drawings:

- Sight tube manufacturer.
- Sight tube model.
- Material of construction.
- Dimensions.
- Chemical compatibility information.
- Operating temperature range.
- Pressure rating, if applicable.
- Connection details.
- Isolation valve details.

The sight tube and all associated components shall be included in the **base bid**. No separate payment shall be made for the sight tube unless specifically identified as an approved alternate by the District.

8. VENTING

The tank shall be positively vented to atmosphere.

The minimum vent size shall be equal to or greater than the largest tank inlet or outlet nozzle unless the tank manufacturer provides an engineered design demonstrating adequate tank venting.

The vent shall be suitable for ferric chloride service and shall include the required stainless steel screen.

The attached specification requires the tank to be positively vented and establishes the minimum venting criteria.

9. FRP CONSTRUCTION

The tank shall be fabricated using a resin system specifically compatible with 40% ferric chloride. The FRP laminate shall consist of corrosion-resistant resin and fiberglass reinforcement appropriate for the tank's size and chemical service.

The internal corrosion barrier shall be suitable for continuous ferric chloride exposure.

The tank shall have a smooth, uniform interior surface free from:

- Cracks.
- Crazing.
- Pinholes.
- Dry spots.
- Air bubbles.
- Foreign material.
- Other manufacturing defects.
-

The exterior surface shall be properly cured and free from exposed fibers, sharp projections, uncured areas, or other defects.

The tank manufacturer's fabrication and quality-control requirements shall be followed.

10. QUALITY ASSURANCE AND MANUFACTURER RESPONSIBILITY

The tank manufacturer shall assume unit responsibility for the tank and all components furnished as part of the tank system.

The manufacturer shall be responsible for:

- Tank design.
- Material compatibility.
- Fabrication.
- Quality control.
- Coordination of tank accessories.
- Shop drawings.
- Manufacturer certifications.
- Installation requirements.
- Startup assistance.
- Commissioning assistance.

The manufacturer shall provide written certification that the tank and associated components comply with this RFB.

The attached specification requires the manufacturer to maintain manufacturing and quality-control records for each tank and to certify compliance with the project requirements.

11. SHOP DRAWINGS AND SUBMITTALS

The successful bidder shall submit shop drawings and engineering data for District review prior to fabrication.

Submittals shall include, at a minimum:

- Tank manufacturer.
- Tank model.
- Tank capacity.
- Tank dimensions.
- Tank weight.
- Tank diameter.
- Tank height.
- Wall thickness.
- Head thickness.
- FRP laminate construction.
- Resin type.
- Chemical compatibility information.
- Design specific gravity.
- Nozzle schedule.
- Nozzle locations and dimensions.
- Manway details.
- Vent details.
- Sight tube details.
- Level indicator details.
- Tank anchorage requirements.
- Foundation loading requirements.
- Installation instructions.
- Hydraulic testing procedures.
- O&M manuals.
- Warranty information.
- Manufacturer certifications.

No fabrication shall begin until the District has reviewed the required submittals.

12. DELIVERY AND UNLOADING

The successful bidder shall be responsible for transporting the tank to the District's facility.

The scope shall include:

- Loading.
- Transportation.
- Freight.
- Unloading.
- Delivery.
- Protection during transportation.
- Equipment required for unloading.
- Positioning of the tank.
- Inspection for shipping damage.

The bidder shall coordinate delivery with the District.

Any damage resulting from transportation or unloading shall be repaired or replaced by the successful bidder at no additional cost to the District.

13. INSTALLATION

The successful bidder shall provide all labor and equipment required to install the tank.

Installation shall be performed in accordance with:

- Manufacturer's written instructions.
- Approved shop drawings.
- Applicable codes and standards.
- District requirements.

Installation shall include:

- Tank placement.
 - Tank alignment.
 - Tank leveling.
 - Anchoring and hold-down connections.
 - Installation of all tank fittings.
 - Installation of the external sight tube.
 - Installation of level indication equipment.
 - Installation of vent assembly.
 - Installation of access manway.
 - Installation of required supports and brackets.
 - Installation of chemical identification markings.
 - Final cleaning.
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14. FIELD HYDRAULIC TESTING

Following installation and prior to connection of process piping or introduction of ferric chloride, the tank shall be hydraulically tested.

The bidder shall:

1. Block or isolate the tank nozzles as required.
2. Fill the tank with clean water to the top of the straight tank wall.
3. Maintain the water level for a minimum of 24 hours.
4. Inspect the tank for leakage.
5. Inspect all fittings and connections.
6. Inspect the tank for deformation or other deficiencies.
7. Correct any deficiencies.
8. Repeat the test as required.
9. Completely drain and dry the tank following successful testing.

The attached specification requires a minimum 24-hour hydraulic test and rejection of the tank and fittings for leakage.

No ferric chloride shall be introduced into the tank until the District has accepted the results of the hydraulic test.

15. STARTUP AND COMMISSIONING

The successful bidder shall provide startup and commissioning services.

Commissioning shall include:

- Final inspection.
- Verification of proper installation.
- Verification of all tank fittings.
- Verification of venting.
- Verification of the sight tube.
- Verification of level indication.
- Verification of all valves and accessories furnished under this contract.
- Confirmation of ferric chloride compatibility.
- Review of operating procedures.
- Startup assistance.
- Operator demonstration.
- Correction of deficiencies.

A qualified manufacturer's representative shall be available on-site for startup and commissioning.

16. OPERATOR TRAINING

The successful bidder shall provide on-site training for District personnel.

Training shall include:

- Tank operation.
 - Ferric chloride storage requirements.
 - Sight tube operation.
 - Tank filling procedures.
 - Tank draining procedures.
 - Routine inspection.
 - Sight tube inspection.
 - Vent inspection.
 - Maintenance requirements.
 - Identification of potential tank problems.
 - Safety requirements associated with ferric chloride.
 - Manufacturer-recommended maintenance procedures.
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17. OPERATION AND MAINTENANCE MANUALS

The successful bidder shall provide complete O&M manuals prior to final acceptance.

The manuals shall include:

- Tank manufacturer's information.
 - Tank specifications.
 - Tank drawings.
 - Installation requirements.
 - Operating procedures.
 - Sight tube instructions.
 - Level indicator instructions.
 - Maintenance requirements.
 - Inspection requirements.
 - Repair procedures.
 - Recommended spare parts.
 - Chemical compatibility documentation.
 - Warranty information.
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18. WARRANTY

The bidder shall provide the manufacturer's standard written warranty covering defects in materials and workmanship.

The warranty shall cover:

- FRP tank.
- Tank fittings.
- Nozzles.
- Manway.
- Vent.
- Sight tube.
- Accessories furnished as part of the tank system.

The bidder shall clearly identify the warranty period and terms with the bid.

Any component determined to be defective and covered by the warranty shall be repaired or replaced at no cost to the District.

19. UNIT RESPONSIBILITY

The tank manufacturer shall assume overall responsibility for the complete chemical storage tank assembly.

All tank components and accessories shall be compatible with 40% ferric chloride.

Components furnished by other manufacturers shall be approved by the tank manufacturer and be warranted as compatible with the tank system. The tank manufacturer shall provide coordination among the tank, fittings, accessories, sight tube, level indication equipment, and other components furnished as part of this project.

20. BID PRICE

The bidder shall provide a **lump-sum turnkey price** for the complete 15,000-gallon ferric chloride storage tank system.

The Lump Sum Turnkey Price shall include all costs for:

- Removal and Disposal of the current chemical storage tank.
- Tank purchase.
- Shop drawings.
- Fabrication.
- Ferric chloride-compatible FRP construction.
- Tank fittings.
- Nozzles.
- Manway.
- Vent.
- Sight tube.
- Valves.
- Supports.
- Anchorage hardware.
- Freight.
- Delivery.
- Unloading.
- Installation.
- Hydraulic testing.
- Startup.
- Commissioning.
- Operator training.
- O&M manuals.
- Manufacturer certification.
- Warranty.
- All labor and incidental materials.

No additional payment shall be made for items reasonably required to provide a complete and operational tank system unless specifically identified as an approved change order.

The Contractor shall provide all necessary services, labor, tools, materials, equipment, vehicles, and instrumentation for the scope of services under this RFB. These items of equipment are considered necessary items for a qualified bidder, and separate charges for use of these items in the course of the work will not be paid by the District. No additional compensation for travel and mileage to or from the pump station shall be billed. Work performed by the Contractor will be subject to inspection and testing by the District. Any work found to be defective or unsatisfactory shall be repaired or replaced by the Contractor at the Contractor's expense.

BID FORM

OWNER: GEORGETOWN COUNTY WATER & SEWER DISTRICT
456 CLEARWATER DRIVE
POST OFFICE BOX 2730
PAWLEYS ISLAND, SOUTH CAROLINA 29585

CONTACT: Michael Fu Man Yip – michaely@gcwsd.com

PROJECT IDENTIFICATION: Chemical Bulk Storage Tank Purchase and Installation

PROJECT: Georgetown County Water & Sewer District (“District”) is soliciting sealed bids from qualified tank manufacturers, suppliers, and contractors for the removal and disposal of the existing chemical storage tank, furnishing, delivery, installation, testing, startup, and commissioning of one (1) 15,000-gallon fiberglass-reinforced plastic (FRP) bulk storage tank.

VENDOR: _____

ITEM NO.	ITEM DESCRIPTION	
1.	Removal and Disposal of Existing Chemical Storage Tank, Furnishing, delivery, installation, testing, startup, and commissioning of one (1) 15,000-gallon fiberglass-reinforced plastic (FRP) bulk storage tank per Bid Specification	
3.	Delivery time after receipt of order (weeks)	

Authorized Signature: _____

Position or Title: _____

REFERENCES

Georgetown County Water & Sewer District

List below at least five (5) references for similar projects, including all information requested. THIS PAGE MUST BE COMPLETED. If Bidders wish to keep their references confidential, this page may be removed from the bid package and submitted with the bid in a separate sealed envelope marked "REFERENCES – CONFIDENTIAL". The District is not responsible for maintaining the confidentiality of the references unless this procedure is followed.

1) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

2) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

3) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

4) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

5) Client

Project Address

Approximate \$ Value _____ Date: Started _____ Completed _____
Contact Name: _____ Telephone #: _____

Company

Bid Title