

CITY OF ALAMO

REQUEST FOR SEALED BIDS

The City of Alamo hereby requests sealed bids for the following:

WATER PLANT CHEMICALS RFB NO# 2025-02-18

Sealed bids addressed to Adela Perez, Purchasing Agent, will be accepted at the Alamo City Hall Purchasing Department, 420 N. Tower Rd, Alamo, Texas 78516, until **3:00 p.m.** on **March 06, 2025**, at which time they will be opened and read aloud. Please mark envelope, "**Sealed Bid – Water Plant Chemicals.**"

Potential Bidders/Respondents are advised that the bidding documents can be downloaded from the City of Alamo web page address: **www.alamotexas.org**, and may also be secured at the Alamo City Hall Purchasing Department, 420 N. Tower Rd., Alamo, Texas, or by calling 956/787-0006 ext, 141. Be advised that if your company is contemplating on bidding this project you must contact the Purchasing Department, so that any changes/additions via addendum form can be forwarded to your company. (Please include your company name, address, telephone, fax, and email as well as contact person).

All bids shall be accompanied by a cashier's check or certified check upon a national or state bank in the amount of five (5%) percent of the total maximum bid price, payable without recourse to the City of Alamo or a bid bond in the same amount from a reliable surety company as a guarantee that the Contractor will enter into a contract.

The City of Alamo reserves the right to accept or reject any and all bids and to accept the bid to be the best and most advantageous to the City and to hold bids for a period of forty-five (45) days without taking action. Bids submitted past the aforementioned date and time will not be accepted.

City of Alamo
Adela Perez
Purchasing Agent

VENDOR'S NOTICE OF INTENT TO SUBMIT A BID

If you intend to submit a bid for **Water Plant Chemicals** with the City of Alamo as outlined in the specifications, please indicate your intention by signing, dating, and returning this form to the fax or email below so that you may receive any addendums to the specifications should the need arise.

**Adela Perez
Purchasing Agent
City of Alamo
Purchasing Department
420 N. Tower Road
Alamo, Texas 78516
Phone :(956) 787-0006, ext. 141
Fax: (956) 283-8855
Email: aperez@alamotexas.org**

Name: _____ (print)	Signature: _____
Title: _____	Company/Agency: _____
Mailing Address: _____	City/State/Zip: _____
Phone: _____	Fax: _____
Email address: _____	

City of Alamo
Instructions to Bidders – General Terms & Conditions
Water Plant Chemicals

1. The following are minimum specifications intended to govern the purchase of Water Plant Chemicals requested. Please read these specifications carefully and be sure that the chemicals offered comply with all requirements. Prospective respondents are to fill the attached bid form and submit with their bid.
2. Bids addressed to the City of Alamo will be received on **March 06, 2025**, until **3:00 p.m.** at the Alamo City Hall Purchasing Department, 420 N. Tower Rd., Alamo, Texas 78516.
3. Bids must be submitted in a sealed envelope upon the blank forms of the bid attached hereto, and marked in the upper left-hand corner with the name of the respondent and the words, “**Water Plant Chemicals**”. Each bid must be completely filled out. Bids must be filed with the City of Alamo before opening day and hour. No facsimiles or late bids will be accepted. Any RFB received after that time will be returned to respondent unopened (if properly identified). Overnight mail must also be properly labeled on the outside of envelope or package in reference to RFB.
4. Bids MUST give full name and address of respondent, and be manually signed. Failure to do so will disqualify your bid. Person signing the bid must show title and AUTHORITY TO BIND HIS/HER FIRM IN A CONTRACT. Firm name and authorized signature must appear on each page that calls for this information.
5. Bids CANNOT be altered or amended after opening time. Alterations made before opening time must be initialed by bidder guaranteeing authenticity. No bids may be withdrawn after opening time without acceptable reason in writing and only after approval by the City of Alamo.
6. The successful respondent will agree to supply materials that meet the specifications outlined in the attached Water Plant Chemicals Specifications Sheet. The successful respondent and the City of Alamo will enter into a two (2) year agreement with a one (1) year option to extend, stipulating terms not inconsistent with any provisions stipulated in your bid. In the event that any of the conditions or provisions are not met or service is unsatisfactory, the City of Alamo following thirty (30) days written notice may terminate the agreement. **Bids will be analyzed on an ITEM PER ITEM BASIS, NOT on a TOTAL dollar value. The City reserves the right to consider each chemical as a separate bid and award all or individually, whichever may be most advantageous to the City.**
7. STATE SALES TAX MUST NOT BE INCLUDED IN BID. Tax exempt form shall be provided upon request.
8. No substitutions or cancellations permitted without written approval of the City of Alamo.
9. Any additions, deletions, or variations from the following specifications must be noted. Anything not specifically mentioned which are necessary for the chemicals to be complete or which is normally furnished as standard shall be furnished by the successful respondent.

10. The Respondent shall attach to his/her Bid sheet a list of any exceptions to the specifications if unable to do so on bid form. Respondents are advised that any part of the specifications that are not met within the time of delivery regardless of how major or how minor it might be shall be grounds for non-acceptance of delivery.
11. Number of days required to deliver **Water Plant Chemicals** after receiving order must be stated in bid. Failure to so state will obligate respondent to complete delivery within **2-3 days**.
12. Quantity subject to change. Quantities shown are approximate and based on previous years records. It is specifically understood that these quantities may be increased or decreased without adjustment to the unit price.
13. Prices quoted shall prevail for a period of two (2) years starting on the date of the bid award. The City reserves the right to extend this contract for one (1) additional year, if the performance of the successful contractor is satisfactory and the unit price(s) remain unchanged.
14. The City of Alamo will execute payment by mail in strict accordance with the State of Texas Pay Law after the chemicals have been received and found to meet City of Alamo specifications. Any other method of payment must be beneficial to the City.
15. All prices must be F.O.B. Alamo, Texas, and include all cost of packaging and delivery. Orders will be placed on an as needed basis. Payment will be made for chemicals provided only. Bid in units of quantity specified extend and show total. In the event of discrepancies in extension, unit prices will govern. Bids subject to unlimited price increase will not be considered.
16. The respondent agrees to indemnify and save harmless the City, the Purchasing Agent, and any assistants from all suits and actions of every nature and discretion brought against him/her or any of them, for or on account of the use of patented appliances, products or processes, and he/she shall pay all royalties and charges which are legal and equitable. Evidence of such payment or satisfaction shall be submitted upon request of the Purchasing Agent, as a necessary requirement in connection with the final estimate for payment in which such patented appliance, products or processes are used.
17. When delay can be foreseen, respondent shall immediately give prior notice to the City of Alamo. Respondent must keep the City of Alamo advised at all times of status of order. Acceptable reasons for delay delivery are as follows: Acts of God, (floods, tornadoes, hurricanes, etc.), acts of government, fire, strikes, and war. Actions beyond the control of successful respondent.
18. Respondent shall carefully examine the Bid forms, requirements/specifications, and instructions to bidder. Should the respondent find discrepancies in, or omissions from bid forms, specifications, or other documents, or should he/she be in doubt as to their meaning, he/she should at once notify the Purchasing Agent (Alamo City Hall, Purchasing Department at 956/787-0006) and obtain clarification by addendum prior to submitting any bid.

19. The City of Alamo reserves the right to reject any or all bids and to waive any or all formalities or technicalities and to accept the bid to be the best and most advantageous to the City and to hold bids for a period of forty-five (45) days without taking action. Respondents are required to hold their bids firm for the same period of time. Bids submitted past the aforementioned date and time will not be accepted.
20. Funds for this procurement have been provided through the City budget for this fiscal year only. The City, on an annual basis, has the right to reconsider a contract during the budget process for the ensuing years if financial resources of City are insufficient to meet the liabilities of said contract. The award of a bid or contract hereunder will not be construed to create a debt for the City, which is payable out of funds beyond the current fiscal year.
21. Unless otherwise specified, any catalog or manufacturer's reference or brand name used in describing an item is merely descriptive, and not restrictive, and is used only to indicate type, style or quality of material desired. If a bidder quotes on an article other than the one specified, which he/she considers comparable, the name and grade of said article must be specified in the bid and sufficient specifications and descriptive data must accompany same to permit thorough evaluation. In the absence of these qualifications, he/she will be expected to furnish the article called for.

GENERAL

1. The City of Alamo is seeking bids on a service supply contract to provide Water Plant Chemicals to oxidize manganese, disinfect and control trihalomethanes and algae growth in its potable water supply.
2. The city operates one water treatment plant which will require chlorine dioxide treatment. The treatment plant is designed to operate at a maximum treatment capacity of 5 MGD.
3. The bidder shall furnish all equipment, material and labor necessary to install and maintain one chlorine dioxide generator and components.
4. Certificate of Liability insurance with a minimum amount of one million dollars (\$ 1,000,000) is required.

DELIVERY

Successful bidder shall be required to make delivery of Water Plant Chemicals in the following manner:

1. Unit price bid shall include any and all charges to dockside of the city water treatment plant.
2. Price shall include all transportation charges to the water treatment plant. No delay or waiting time will be paid by the city.
3. Delivery shall be made as required upon issuance of a purchase order from proper personnel.

CHLORINE DIOXIDE GENERATOR SYSTEM

1. The successful bidder will supply at their expense, a system for generating chlorine dioxide capable of a minimum yield of ninety-five (95%) percent chlorine dioxide from the reaction of sodium chlorite and gas chlorine. The system shall be capable of independently producing the required rate of chlorine dioxide based on minimum and maximum production rates at the feed point on a continuous 24 hour per day basis without the unit being oversized.
2. The system, which is proposed, must be currently accepted by all applicable regulatory agencies including the Texas Commission on Environmental Quality (TCEQ), and has been on the market for at least two (2) years.
3. Bidder shall supply all materials used within the chlorine dioxide generation system. These materials shall be suitable for such service and shall comply with all Federal, State and local codes, laws and ordinances. Chlorine generator must be N.S.F. approved.
4. The chlorine dioxide generating system shall be new or equal and shall consist of, but not limited to the following:
 - a.) 120-volt sodium chlorite transfer pump with timer control.
 - b.) 300-gallon polyethylene sodium chlorite day tank and 5500 polyethylene bulk tanks
 - c.) Chlorine injector/chlorite
 - d.) Sodium chlorite injector or sodium chlorite chemical feed
 - e.) A chlorine dioxide generator in a wall mounted enclosure or panel containing items 4 through 6. The unit will be able to produce the required pounds per day of chlorine dioxide.
 - f.) All instruments, to determine chlorine dioxide dosage and residuals, efficiency of generator.
 - g.) 250 ml. drawdown column
5. All vendors must provide three (3) local references, must be in operation for at least five (5) years.
6. The city will supply water at system pressure and provide electricity needed to operate chlorine dioxide unit. If higher pressure is required, supplier will provide a pump.
7. Dosage rate of chlorine dioxide shall be such that if the generator fails to give proper mix, the amount of sodium chlorite or other chemicals would not exceed the Maximum Contaminant Level (MCL) in the receiving waters according to State and Federal regulations.
8. Provide a titrator to measure generator effluent efficiencies, chlorine dioxide residuals, and chlorite residuals in the plant raw, clarified or finished waters. The successful bidder shall train all plant operators in the use of these units. Chlorite tanks will be regulated to be cleaned periodically by the bidder at his expense. The expenses of cleaning the tanks should be included in the unit price of the sodium chlorite purchased. Supplier should expect to clean the tanks at minimum of twice per year.

SERVICE CALLS

Service calls shall consist of a plant visit at least once per month during the hours of 8am to 5pm Monday through Friday. The following services (minimum) shall be provided during the visits:

1. Inspect entire chlorine dioxide generating system for leaks and malfunctions.
2. Shall clean the units of any organic build-up in the sight glasses and flow indicators
3. Analyze generator for proper output of chlorine dioxide, free chlorine, and pH levels.
4. Analyze treated water for proper chlorine dioxide residuals.
5. Analyze potable water for proper chlorite residuals.
6. Review plant control records to ensure maximum generator efficiencies are maintained and chemical dosages are optimized to provide required manganese oxidation, turbidity removal, microbiological disinfection, trihalomethane reduction, and algae control.
7. Provide initial or additional training for plant operators in chlorine dioxide generation and analysis techniques as required.
8. Maintain all laboratory instruments and glassware in proper working condition as well as maintain a safe and clean working environment.
9. Completed service reports must be filled out and kept in the service log at the facility. Service reports shall record dates service, on site analysis, type of service rendered, generator efficiencies and other pertinent service information. Report of service must also include any request for necessary changes in the system. Report must be reviewed with the plant supervisor before leaving.
10. Vendor must respond to emergency calls within six (6) hours of notification from the City of Alamo.

PRE-INSTALLATION REQUIREMENTS

1. The bidder shall, prior to the chlorine dioxide system installation:
 - a. Meet with city personnel to design a chlorine dioxide generator system which will provide optimum operation under varying plant conditions.
 - b. Provide a complete installation and operations manual with trouble shooting guide. The manual shall contain detailed installation drawings and instructions.
 - c. Chlorine dioxide system and installation details shall be TCEQ approved.

START UP AND INITIAL TRAINING

1. Start up and initial training consisting of at least two (2), three-hour classes shall be provided at no additional cost and will consist of training the operating personnel in the following areas:
 - a. Physical properties of chlorine dioxide, chlorine, chlorite and chlorate or any other chemical in which a bid was given.
 - b. Chemistry of chlorine dioxide generation.
 - c. Optimization of generator performance
 - d. Maintenance of generator systems with the use of a trouble shooting guide.
 - e. Safety considerations in the operations and handling of chemicals
 - f. Sampling for chlorine dioxide determinations.
 - g. Analytical procedures for measuring yields and residuals, along with the use of necessary apparatus to perform the analysis.

CONFLICT OF INTEREST

CHAPTER 176 OF THE TEXAS LOCAL GOVERNMENT CODE

Effective January 1, 2006, Chapter 176 of the Texas Local Government Code requires that any vendor or person considering doing business with a local government entity disclose in the Questionnaire Form CIQ, the vendor or person's affiliation or business relationship that might cause a conflict of interest with a local government entity. By law, this questionnaire must be filed with the records administrator of the City of Alamo no later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code. A person commits an offense if the person violates Section 176,006, Local Government Code. An offense under this section is a Class C misdemeanor. For more information go to the Texas Ethics Commission web page at www.ethics.state.tx.us/forms/CIQ.pdf.

CONTRACT

The supplier will provide all the products and services herein for a period of two (2) years with the option of a one (1) year extension provided that the performance of the successful bidder is satisfactory and the unit price(s) remain unchanged. All materials, supplies and personnel service required by the above specifications are to be provided by the supplier. Supplier agrees to maintain qualified professional staff to properly acquire and interpret chlorine dioxide data as required under "Service Calls". Bids shall be accompanied by names, titles, and quality of professional staff that will be dealing with the City of Alamo's account.

1. SPECIFICATIONS FOR SODIUM HYPOCHLORITE – 12.47 %

The Sodium Hypochlorite (12.47 %) shall be used as a chlorinate and disinfectant raw water to be converted to potable drinking water. This chemical product shall function as a chlorine agent at the treatment facilities for gardia and crypto deactivation and removal after water has passed through the various filters prior to storage and distribution. Typical properties for this blend are as follows:

Capacity:	4,000 gallons
WT% Available Chlorine (Cl ₂):	12.47%
WT% Sodium Hypochlorite (NaOCl):	13.09%
WT% Sodium Hydroxide (NaOH):	0.26%
Color/Clarity:	Clear/Greenish Yellow
Specific Gravity:	1.20 @ 85F
Strength (% NaOCl by wt.):	Max Use
5.25%	200 mg/L
6.25%	168 mg/L
10.00%	105 mg/L
12.50%	84 mg/L
15.00%	70 mg/L

Historical Annual usage: 49,180 gallons

Delivery shall be made by tank truck with all necessary equipment to air pump into a storage tank in the amount of 4,000 gallons per delivery.

Bidder shall provide proof of Certification to NSF/ANSI Standard 60 as well as USEPA. Proof of EPA Registration shall be in the form of an approved label.

2. SPECIFICATIONS FOR SODIUM CHLORITE

Scope of Work: The City of Alamo is accepting bids for Sodium Chlorite for the Water Plant.

General Information: The maximum flow at the Water Plant is 5.0 M.G.D.

Specifications: Please read your specifications thoroughly and be sure that the Sodium Chlorite offered complies with all requirements. Any variations from the specifications must be clearly indicated on item specification sheet and covered by letter attached to any changes made on your bid responses.

1. Sodium Chlorite as follows:
 - a. The bidder's Sodium Chlorite must be approved and registered as an NSF Standard 60 product for use in potable water systems.
 - b. Solution shall conform to the following:
 - Molecular Weight: 90.45
 - Molecular Formula: NaClO₂
 - Specific Gravity (water = 1): 1.20-1.25 @ 25/25 C
 - Density: 10.1 lbs/gal @ 25C
 - Water Solubility: Soluble
 - pH: >12 @ 25 C
 - Volatility: 68-76% by volume
 - Active ingredients as follows:
 1. Active ingredient: 25% (+/-1.0%) NaClO₂
 2. Inert Ingredients: 75% (+/- 1.0%) H₂O

- Appearance: Pale yellow, slightly hazy liquid
- c. System Performance Requirements as follows:
 - Chlorite testing monthly licensed laboratories
 - One amprometric titrator
- d. To include product bulletin and material safety data sheets
- e. Maintenance and Service visits as follows:
 - The bidder shall be responsible for maintenance of all furnished equipment, including parts and labor
 - The bidder shall provide routine monthly visits to perform preventative maintenance and check the units for proper operation
- f. Services and typical frequency to be provided by the bidder as follows:
 - Conduct operator training on Chlorine Dioxide chemistry, application and specific generator operations
 - Conduct safety training on Sodium Chlorite and Chlorine Dioxide
 - Provide maintenance service to the Chlorine Dioxide generators as required
 - Provide emergency service to the Chlorine Dioxide generators with a maximum 8 hour response time, 24 hours per day, 7 days a week
 - Service shall include but not be limited to:
 1. Review plant logs and operation of Chlorine Dioxide treatment
 2. Check the equipment for leaks or malfunction
 3. Run generator efficiencies
 4. Review laboratory by products reports with management
 5. Perform scheduled preventative maintenance
 6. Submit a written report outlining services and observations during the routine service visit
 7. Provide third party laboratory chloride ion analysis (three samples set per plant) on a monthly basis using ion chromatography
 8. Bidder shall submit a sample test per month to a certified laboratory as specified by TCEQ regulations
- g. Historical annual usage: 6,936 gallons
- h. To include product bulletin and material safety data sheets
- i. Annual usage: 3,381 gallons

3. CHLORINE GAS

Nitrogen/Chlorine Gas Mixture
 150 lb. cylinders
 Specific Gravity 1.0
 Historical annual usage: 7,440 lbs.

4. ALUM BLEND

Aluminum Oxide 7.70=^{Value}=^{8.50}
Appearance Clear, Slightly Hazy
Color Blue, Greenish blue
Copper (ppm) 3000=^{Value}=⁵⁰⁰⁰
pH 1.00=^{Value}=^{3.00}
Specific Gravity 1.27=^{Value}=^{1.330}
Historical annual usage: 46,860 gallons

5. LIQUID AMMONIUM SULFATE

Ammonium Sulfate
Specific Gravity 1.2
Historical annual usage: 11,640 gallons

6. LIQUID COPPER SULFATE 25%

Color: Clear, blue
Odor: Odorless
Physical State: Liquid
pH: <2.5
Boiling Point/Range: 102 °C / 215 °F
Specific Gravity: 1.175-1.185
Viscosity: 2.07 centipoise (cp)
Water Solubility: Complete
Historical Annual Usage: 1,235 gallons

7. POLYMER 40%

10-Barrels 55-gallon drums

**CITY OF ALAMO
WATER PLANT CHEMICALS
BID FORM/CONTRACT**

The _____ (respondent), having read the specifications, proposes to furnish the items, for the full and firm price and within the delivery time designated below, in full compliance with the specifications.

F.O.B. Alamo Water Plant, 801 S. 9th St., Alamo, Texas 78516.

Respectfully submitted this _____ day of _____, 2025.

The undersigned affirms that they are duly authorized to execute this contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other respondent, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business prior to the submittal of this bid.

Total Price: Base Bid –Unit price per lb. delivered in loads:

- | | |
|-------------------------------------|---|
| 1. SODIUM HYPOCHLORITE | \$ _____ /lb /Year 1
\$ _____ /lb. /Year 2 |
| 2. SODIUM CHLORITE | \$ _____ /lb /Year 1
\$ _____ /lb. /Year 2 |
| 3. CHLORINE GAS | \$ _____ /lb /Year 1
\$ _____ /lb. /Year 2 |
| 4. ALUM BLEND | \$ _____ /lb /Year 1
\$ _____ /lb. /Year 2 |
| 5. LIQUID AMMONIUM SULFATE | \$ _____ /lb /Year 1
\$ _____ /lb. /Year 2 |
| 6. LIQUID COPPER SULFATE 25% | \$ _____ /lb /Year 1
\$ _____ /lb /Year 2 |
| 7. POLYMER 40% | \$ _____ /lb /Year 1
\$ _____ /lb /Year 2 |

Company: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

Email: _____

Authorized Signature: _____ Title: _____

Please print above signature