

BID SOLICITATION



City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

BID OPENING DATE AND TIME:
 18-AUG-20 at 2:00 PM

BID NUMBER: 305960

BUYER:
PHONE #: (423) 643-7230
DELIVERY REQUIRED:

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

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A City of Chattanooga
 101 East 11th Street, Suite G13
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Item	Class-Item	Quantity	Unit	Unit Price	Total
Requisition No.: 200495 Bid No.: 305960 Ordering Dept.: Waste Resources Division, Public Works Buyer: Amanda Berkowitz Phone No.: (423) 643-7233 Email: aberkowitz@chattanooga.gov					
Items Being Purchased: Liquid Calcium Nitrate					
This Shall Be A Twelve (12) Month Blanket Contract To Supply Liquid Calcium Nitrate. The Contract Term May Be Renewed For An Additional Two (2) Twelve (12) Month Term Under The Same Terms And Conditions By Mutual Agreement. The City Of Chattanooga And The Contractor May Bilaterally Extend The Contract By Providing Written Confirmation Of Agreement By Both Parties At Least 30 Days Prior To The Contract's Current Expiration Date Into Any Successive Term As Provided Herein.					
QUANTITIES ARE ESTIMATES ONLY THE CITY OF CHATTANOOGA SHALL GUARANTEE NO MINIMUM OR MAXIMUM AMOUNT PURCHASED DURING THE LIFETIME OF THE CONTRACT.					
*** BID MUST BE RECEIVED NO LATER THAN *** *** 2:00 PM EST ON AUGUST 18, 2020 ***					
ATTACHMENTS: Specifications (9 pgs) Affirmative Action Plan (2 pgs) Iran Divestment Act (1 pg) No Contact/No Advocacy Statement (1 pg) City of Chattanooga (COC) Terms and Conditions posted on Website http://www.chattanooga.gov/purchasing/standard-terms-and-conditions If you can't download call buyer for a copy.					
NOTE: ALL BIDS MUST BE SIGNED All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.					
Any manufacturer;s names, trade names, brand names, or catalog numbers used in the specifications are for the purpose of describing and establishing general quality levels. Such references ar enot intended to be restrictive. Bids will be considered for any brand which meets or exceeds the quality of the specifications listed for any item.					
The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.					
The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin.					
**** NOTE **** PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION:					

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 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
Company Name _____ Address _____ _____ Phone/Toll-Free No. _____ Fax No. _____ eMail Address _____ Contact Person's Name _____ Estimated Delivery _____ Minority-Owned Business _____ Small Business _____ Veteran _____ Minority Woman-Owned Business _____ Disabled Veteran _____ Woman-Owned Business _____ **** ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION ****					

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

The City is Exempt from all Federal and State Tax.
 Bids will be received at the above mentioned address.

TERMS OF PAYMENT: _____

TELEPHONE NUMBER: _____

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

COMPANY: _____

SIGNATURE: _____

NAME AND TITLE: _____

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O** City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
1	Liquid Calcium Nitrate per specs	615850	Gallon	_____	_____
2	Bioxide Plus 71 (or equal)	120450	Gallon	_____	_____

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COMPANY: _____

TELEPHONE NUMBER: _____

SIGNATURE: _____

NAME AND TITLE: _____

**SPECIFICATIONS FOR
SUPPLY AND DELIVERY
OF
LIQUID CALCIUM NITRATE AND RELATED SERVICES
FOR ODOR AND CORROSION PREVENTION AND CONTROL
City of Chattanooga, Tennessee Moccasin
Bend Wastewater Treatment Plant
JUNE, 2020**

1.0 GENERAL

1.1 SCOPE OF SERVICES

The scope of services covered by these specifications include the supply, delivery, and related technical services associated with the provision of liquid calcium nitrate for the prevention of hydrogen sulfide-related odors and corrosion in the City of Chattanooga Interceptor Sewer System (City ISS). The liquid calcium nitrate shall be delivered and used at various pump stations and dosing points in the sewer collection system in the Chattanooga and North Georgia area. Currently there are eight (8) sites where the calcium nitrate will be used, with the potential of up to three (3) additional sites.

1.2 BID PROPOSAL

The BID PROPOSAL FORM attached to these specifications shall be completed by Vendor and submitted.

Supply and Delivery of Liquid Calcium Nitrate along with Full Service Contract

- a. Unit price per gallon for bulk loads delivered to **any number** of drop locations within the City ISS along with a Full Service Contract as described in Section 4.2 of these specifications.
- b. List of five (5) references from cities similar in size to Chattanooga where Vendor has supplied Full Service similar to the services described in Section 4.2 - Full Service Contract. Reference list will include location, name of contact person, phone number of contact person, summary of project scope, and approximate value of contract.

Additional Bid Proposal Information to be supplied:

- a. Any price differential or surcharge where smaller quantities or partial bulk deliveries are requested by the City. A delivery shall NOT be considered a partial load unless the City requests less than 3,000 gallons to be delivered.
- b. Name and phone numbers of person to contact for ordering shipments.
- c. Estimated time between placing of order and actual delivery.
- d. Estimated time required to receive emergency shipment and location of emergency supply; names and phone numbers of persons to contact for emergency shipment or on holidays, weekends, and after hours.
- e. Copies of product data sheet and material safety data sheet.
- f. Names and location of material producer.

1.3 LENGTH OF CONTRACT

The length of this contract shall be for a period of twelve (12) months after the receipt of a Purchase Order form the City of Chattanooga. The contract will have an option to renew for an additional 2 - twelve (12) months at the same or lower prices.

2.1 PRODUCTS

2.2 PRODUCT DESCRIPTION

The product specified herein is described as follows:

- a. Product Name -- Liquid Calcium Nitrate
- b. Description -- Concentrated aqueous solution containing 3.5 pounds of nitrate oxygen.

2.3 CHEMICAL ANALYSIS

The chemical analysis for the liquid calcium nitrate as delivered shall meet the following minimum and maximum concentrations by weight:

PARAMETER	CONCENTRATION
a. Nitrate-Oxygen	3.5 pounds per gallon minimum
b. $\text{Ca}(\text{NO}_3)_2$	60%-70% minimum
c. Calcium	11.88%
d. Nitrogen, from NO_3	8.3% minimum
e. Iron	0.003% maximum
f. Manganese	0.005%
g. Ammonia	0.01%

2.4 PHYSICAL PROPERTIES

The liquid calcium nitrate shall have the following physical properties:

PARAMETER	PROPERTY
a. Density	12.2 pounds per gallon, minimum
b. Specific Gravity	1.465-1.475 @ 15C
c. pH	5.0-7.0 @ 15C
d. Freeze point	0° or less
e. Appearance	Water - white to pale yellow

3.1 EXECUTION

3.2 EXISTING STORAGE AND DOSING EQUIPMENT

The City currently has chemical storage tanks and dosing equipment suitable for calcium nitrate at six (6) locations in the ISS. Two (2) additional locations are being supplied through tote bins by City personnel. Vendor may review this equipment to assure its ability to receive shipments of calcium nitrate, and to receive services specified. Vendor may also review potential sites for receipt of new equipment as specified under **Section 4.1 - Full Service Contract**. Vendor may arrange to view the equipment by contacting the Plant Superintendent, Moccasin Bend Wastewater Treatment Plant, 455 Moccasin Bend Road, Chattanooga, Tennessee 37405; phone 423-643-7088.

3.3 SHIPMENT OF PRODUCT

Shipments of liquid calcium nitrate shall be by approximately 3,600 gallon (approximately 45,000 pounds) tank truck suitable for the chemical. Trucks and tank trailers shall meet and be approved for all D.O.T. specifications, standards, and regulations.

Vendors must be aware that some drop locations could present difficulties for trucks with extra length. Some of the pump stations in residential areas present difficult access for large trucks. **Vendor is highly encouraged to request to review these sites prior to scheduling shipments. The inability of Vendor's truck or truck driver to access the sites shall NOT be an excuse for missing a shipment.**

Defective tank trucks from which liquid calcium nitrate cannot be unloaded because of defective valves, pumps, viscosity, or other reasons shall be rejected and returned at the Vendor's expense.

A Certificate of Analysis shall accompany all shipments. Information included on this certificate shall include the parameters listed in Paragraphs 2.2 and 2.3 of these specifications. A certified weight ticket shall also be provided.

3.3 DELIVERY OF PRODUCT

Delivery shall be made on an "as needed" basis. The City's representative will review, with Vendor, the locations and the time at which a delivery is needed. The City's representative will make the final determination as to when and where deliveries are made and the quantities that are to be delivered to each site.

Deliveries shall be made within seventy-two (72) hours from the time Vendor receives notice from the City representative. Deliveries shall be accepted only between 7:30 a.m. and 2:00 p.m., Monday through Friday, except during emergencies.

3.4 UNLOADING OF PRODUCT

Vendor shall provide all hoses and hose connections of the proper diameter, length, and correct fittings necessary to connect to the City's storage tanks for loading the tanks with product. Vendor shall be responsible for appropriate pump for unloading the product.

Vendor shall be responsible for determining if side or rear unloading is necessary at each site.

The Vendor's truck driver or support personnel shall clean up any material spilled from the truck during unloading.

Any spillage shall immediately be reported to the appropriate controlling agency, and clean up shall be in compliance with the regulations of the controlling agency.

Any problems with any of the City's equipment, piping, or tanks involved in the unloading process shall be brought to the City's attention immediately.

Any claims for damage or demurrage by the Vendor's trucking company will be directed to the Vendor, not the City, since the City has no contractual obligation with the trucking company. It will be the responsibility of the Vendor to make such claims to the City.

The Vendor's trucking company shall not dismantle or adjust any of the City's equipment, piping, or tanks without permission of the City representative.

3.5 SAMPLING AND TESTING

Samples of the product shall be taken at the discretion of the City when a tank truck arrives at a delivery site. One (1) grab sample shall be taken per tank truck at such times for assurance that product meets the minimum specifications described herein. Split samples shall be furnished to the Vendor upon request. Samples shall be properly labeled with time, date, person sampling, and shipping ticket number.

Results of testing will be provided to Vendor upon request. Vendor shall be notified immediately of any samples not meeting the maximum and minimum concentrations of the parameters specified herein.

4.0 TECHNICAL SERVICES

The following sections describe technical services to be provided **along with** supply and delivery of Liquid Calcium Nitrate and are identified as:

4.1 FULL SERVICE CONTRACT

In addition to the supply and delivery of Liquid Calcium Nitrate as specified herein, Vendor shall provide the following service:

- a. Vendor will meet with City representative(s) at the start of the contract to discuss City's goals for odor and corrosion prevention at each of the various sites. Vendor will assist City in optimizing chemical doses at all sites to achieve these goals.
- b. Vendor will provide technical assistance to City as needed concerning feed rate adjustment, equipment maintenance, testing, and troubleshooting.
- c. Once per month Vendor will collect samples of wastewater **at the discharge point** of each location being dosed with liquid calcium nitrate. Vendor shall perform tests on these samples to determine concentrations of hydrogen sulfide and nitrate.

A report of these findings will be sent by e-mail to the City representative within seven (7) days after collection. These reports shall also include the feed rate of liquid calcium nitrate at the time of testing.

Vendor shall recommend to the City representative any changes in dosing that should occur as a result of these tests.

- d. Once per month Vendor shall use gas monitor(s) to perform testing of atmospheric concentrations of hydrogen sulfide **at the discharge point** of each location being dosed.

These results will also be reported to the City representative within seven (7) days after collection. These reports shall also include the feed rate of liquid calcium nitrate at the time of testing.

Vendor shall recommend to the City representative any changes in dosing that should occur as a result of these tests.

- e. Vendor will provide full servicing of all Bellows feed pumps and associated parts, tubing, lines, and other related equipment as requested by City.

Vendor will provide replacement parts and/or repairs at no additional cost to City. Vendor shall provide the name and phone number of service technician to be notified and shall provide a response time of within twenty-four (24) hours for service calls or for odor problems.

- f. Should additional sites be identified by the City as requiring odor and corrosion prevention equipment during the time period of the contract, Vendor shall supply and set up all necessary equipment, including **double containment** storage tanks as well as all feed equipment at such sites at no additional cost to the City.

Such equipment shall remain the property of Vendor during the time period of the contract and shall be removed by Vendor at the end of the contract, unless other written agreement(s) have been made between Vendor and the City pertaining to this equipment.

- g. Vendor will maintain full compliance with the City's established priorities for odor and corrosion prevention, and will meet with the City at least every 60 days to determine if any program changes should or will be made, to review collected data and cost analyses, to review any problems occurring with the program or with shipment and delivery of chemical, etc.
- g. Vendor will supply automated dosing equipment based on flow and temperature, to the following sites: Springcreek, South Chickamauga, & Ringgold.

5.0 PAYMENT

The basis for payment shall be the volume, in gallons, of liquid calcium nitrate delivered to up to five (5) drop locations, plus any added charges and services as accepted by Vendor's bid and shown on BID PROPOSAL FORM.

Payment shall be in accordance with the City's normal payment procedures.

BID PROPOSAL FORM
SUPPLY AND DELIVERY
OF
LIQUID CALCIUM NITRATE AND RELATED SERVICES
FOR ODOR AND CORROSION PREVENTION AND CONTROL
City of Chattanooga, Tennessee Moccasin
Bend Wastewater Treatment Plant
(06/14)

SUPPLY AND DELIVERY OF LIQUID CALCIUM NITRATE ALONG WITH FULL SERVICE CONTRACT

Unit price per gallon of Liquid Calcium Nitrate, shipped and delivered in bulk tank truck to any number of drop locations within the City of Chattanooga Interceptor Sewer System along with a Full Service Contract as described in Section 4.2 of these specifications:

List of five (5) references from cities similar in size to Chattanooga where Vendor has supplied Full Service similar to the services described in Section 4.2 - Full Service Contract. Reference list will include location, name of contact person, phone number of contact person, summary of project scope, and approximate value of contract.

(Attach reference list to BID PROPOSAL FORM on separate sheet).

SUBMITTED BY: _____

TITLE:

DATE:

Affirmative Action Plan

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and the employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay, or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. During the term of this contract the following non-discriminatory hiring practices shall be employed to provide employment opportunities for minorities and women:
 - a. All help wanted ads placed in newspapers or other publications shall contain the phrase "Equal Employment Opportunity Employer."
 - b. Seek and maintain contracts with minority groups and human relations organizations as available.

- c. Encourage present employees to refer qualified minority group and female applicants for employment opportunities
 - d. Use only recruitment sources which state in writing that they practice equal opportunity. Advise all recruitment sources that qualified minority group members and women will be sought for consideration for all positions when vacancies occur.
5. Minority statistics are subject to audit by City of Chattanooga staff or other governmental agency.
 6. The Contractor agrees to notify the City of Chattanooga of any claim or investigation by State or Federal agencies as to discrimination.

(Signature of Contractor)

(Title and Name of Company)

(Date)

Chapter No. 817 (HB0261/SB0377). "Iran Divestment Act" enacted.
Vendor Disclosure and Acknowledgement

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to § 12-12-106.

(SIGNED) _____
(PRINTED NAME) _____
(BUSINESS NAME) _____
(DATE) _____

For more information, please contact the State of Tennessee, Central Procurement Office
<https://www.tn.gov/generalservices/procurement/central-procurement-office--cpo-/library-/public-information-library.html>

No Contact/No Advocacy Statement

City of Chattanooga
Purchasing Division

For Submission with Sealed RFP, RFQ, Sealed Bid Responses:

State of _____

County of _____

_____ (agent name), being first duly sworn, deposes and says that:

- (1) He/She is the owner, partner, officer, representative, or agent of _____
_____ (business name), the Submitter of the attached sealed solicitation response to Solicitation # _____;

- (2) _____ (agent name) swears or affirms that the Submitter has taken notice, and will abide by the following No Contact and No Advocacy clauses:

NO CONTACT POLICY: After the posting of this solicitation, a potential submitter is prohibited from directly or indirectly contacting any City of Chattanooga representative concerning the subject matter of this solicitation, unless such contact is made with the Purchasing Division.

NO ADVOCATING POLICY: To ensure the integrity of the review and evaluation process, companies and/or individuals submitting sealed solicitation responses, as well as those persons and/or companies formally/informally representing such submitters, may not directly or indirectly lobby or advocate to any City of Chattanooga representative.

Any business entity and/or individual that does not comply with the No Contact and No Advocating policies may be subject to the rejection or disqualification of its solicitation response from consideration.

Submitter Signature:

Printed Name:

Title: _____