

January 27, 2021

TO: All Bidders under Invitation to Bid No. 20-101311

FROM: Department of Purchasing and Contracting, DeKalb County, Georgia

ADDENDUM NO. 2

Invitation to Bid (ITB) No. 20-101311 Water & Wastewater Treatment Chemicals (Three (3) Year Multiyear Contract) is hereby amended as follows:

1. Hydrofluosilicic Acid is being added as a line item to this ITB. Please see the attached *Price Schedule (revised)* and additional minimum specifications, *Attachment H, Minimum Specifications for H₂SiF₆*, to be inserted accordingly. Bidder shall enter pricing on the *Price Schedule (revised)* in place of the *Price Schedule* originally provided within the ITB document. The *Price Schedule (revised)* shall be submitted within a separate, sealed envelope and pricing shall not appear anywhere else within the bid response or the bid will be deemed non-responsive.
2. We have received questions pertaining to this Invitation. The questions and their resulting answers appear below:

a.	Question:	Who is your current supplier of liquid oxygen?
	Answer:	Airgas.
b.	Question:	What is your current price for liquid oxygen?
	Answer:	\$.3738 per gallon of LOX.
c.	Question:	What was your 2020 total consumption of liquid oxygen?
	Answer:	250,000 gals.
d.	Question:	Is the liquid oxygen used to treat drinking water or wastewater?
	Answer:	It is used to treat drinking water.
e.	Question:	If the liquid oxygen is used to treat drinking water, is there a THC (total hydrocarbon) specification (typically required if using the O ₂ to generate ozone)?

	Answer:	The LOX Certificate of Analysis provides specified quality assurance for each delivery. Please see specification for LOX
f.	Question:	If the liquid oxygen is used to treat wastewater, is the NSF60 certification still a requirement?
	Answer:	Yes, there is an NSF60 certification required.
g.	Question:	If we take exceptions to items contained in your bid and offer up alternate language for review would we be deemed non-responsive?
	Answer:	Yes.
h.	Question:	Who is the current supplier for the Aluminum Sulfate?
	Answer:	C&S Chemicals Inc.
i.	Question:	What price is Aluminum Sulfate being sold at?
	Answer:	\$233.45 per Dry Ton.
j.	Question:	Is the unit of measure on the pricing sheet for Liquid Aluminum Sulfate to be in “wet” or “dry” ton?
	Answer:	Dry Ton.
k.	Question:	The term of the contract is for 3 years. Is pricing to remain firm for the entire contract?
	Answer:	Pricing should be fixed for the first year; If there is a price increase during the contract term AFTER the first year there should be a letter sent to the County notifying of such price change to include evidence of price changes in the industry. The County has the right to accept, deny, or negotiate price change.
l.	Question:	Are you requiring that a load of product must be loaded in the area to make 2-hour delivery and we need to have a representative living in the area? If we do not, is our bid considered non-compliant? Can you please clarify?
	Answer:	Yes, the vendor should be within in a two (2) hour distance in order to provide delivery within a two (2) hour timeframe for emergency situations If not, they should have a representative within a two (2)

		hour timeframe to meet this requirement.
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3. It is the responsibility of each bidder to ensure that he is aware of all addenda issued under this ITB. Please sign and return this addendum. You may email Judi Moore at jmoore@dekalbcountyga.gov before the bids are due to confirm the number of addenda issued.
4. All other conditions remain in full force and effect.

Judi Moore

Procurement Agent
Department of Purchasing and Contracting

ACKNOWLEDGMENT

Date: _____

The above Addendum is hereby acknowledged:

(NAME OF BIDDER)

(Signature)

(Title)

Agent (*jem*):Manager (CC)

***** PRICE SCHEDULE MUST BE SUBMITTED IN A SEPARATE SEALED ENVELOPE, AND PRICING SHALL NOT APPEAR ANYWHERE ELSE IN THE BID PACKAGE, OR BIDDER WILL BE DEEMED NON-RESPONSIVE AND WILL NOT BE CONSIDERED FOR AWARD*****

PRICE SCHEDULE (revised)					
ITEM NO.	ITEM DESCRIPTION	ESTIMATED NUMBER OF UNITS	UNIT	UNIT PRICE	TOTAL AMOUNT
1.	Aluminum Sulfate, to be delivered in 3000 – 4000-gallon tank truck as Liquid Aluminum; cleaning up after delivery to be responsibility of the contractor, per specifications. Bidding on: _____ _____ (Manufacturer’s Name and Model Number)	5,200	TON	\$ _____	\$ _____
2.	Polymer, dry to be delivered in 50-pound bags after previous jar tests and Snapfinger Plant, 100% miscible with water, per specifications. Bidding on: _____ _____ (Manufacturer’s Name and Model Number)	40,000	LBS	\$ _____	\$ _____
3.	Polymer, either liquid emulsion or dispersion type with minimum 35% active ingredients after trials been conducted at Pole Bridge and Snapfinger Facilities, per specification. Bidding on: _____ _____ (Manufacturer’s Name and Model Number)	211,200	LBS	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	ESTIMATED NUMBER OF UNITS	UNIT	UNIT PRICE	TOTAL AMOUNT
4.	<p>Polymer, tote either liquid emulsion or dispersion type with minimum 35% active ingredients after trials been conducted at Scott Candler and Pole Bridge, per specification.</p> <p>Bidding on:</p> <p>_____</p> <p>(Manufacturer's Name and Model Number)</p>	118,000	LBS	\$ _____	\$ _____
5.	<p>Quicklime, high calcium quick slaking, 90% available CaO, rotary kiln, 25-ton lot to be blown into silos by shipper truck in accordance with AWWA current applicable standards and per specifications.</p> <p>Bidding on:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer's Name and Model Number)</p>	5,500	TON	\$ _____	\$ _____
6.	<p>Chlorine Gas, 1-ton containers, to be delivered in varying quantities of two (2) or more but probably not more than ten (10) at any one time per specification</p> <p>Bidding on:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer's Name and Model Number)</p>	360	TON	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	ESTIMATED NUMBER OF UNITS	UNIT	UNIT PRICE	TOTAL AMOUNT
7.	<p>Sodium Bisulfite Liquid to be delivered in tank truck as liquid 38 % to 40 % sol as NaHso3 and pumped by vendor into county storage tanks with clean up after delivery the responsibility of contractor.</p> <p>Bidding on:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer's Name and Model Number)</p>	4,600,000	LBS	\$ _____	\$ _____
8.	<p>Sodium Hypochlorite 12.5% Grade delivered in bulk, per specification.</p> <p>Bidding on:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer's Name and Model Number)</p>	420,000	GAL	\$ _____	\$ _____
9.	<p>Caustic Soda, drive, pellet form (100% NaOH) to be delivered on pallets in approx. 50-pound waterproof paper bags; per Specifications.</p> <p>Bidding on:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer's Name and Model Number)</p>	5,400	LBS	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	ESTIMATED NUMBER OF UNITS	UNIT	UNIT PRICE	TOTAL AMOUNT
10.	<p>Sodium Hydroxide (Caustic Soda), 50% Grade deliver in bulk tank trucks of 3000 – 5000-gallon capacity, Contractor to transfer material to storage tanks, cleanup after delivery is the responsibility of the contractor, per specifications.</p> <p>Bidding on:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer’s Name and Model Number)</p>	1,200	TON	\$ _____	\$ _____
11.	<p>Sodium Hypochlorite 12.5% grade, delivered in bulk tank trucks of 4,500 – 5000-gallon capacity, per specifications.</p> <p>Bidding on:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer’s Name and Model Number)</p>	420,000	GAL	\$ _____	\$ _____
12.	<p>Sodium Bicarbonate, NaHC03, Technical Grade, free flowing, delivered on pallet in approx. 50 pounds net weight paper bags; per enclosed Specifications.</p> <p>Bidding On:</p> <p>_____</p> <p>_____</p> <p>(Manufacturer’s Name & Model Name or No.)</p>	6,000	50 LB. BAG	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	ESTIMATED NUMBER OF UNITS	UNIT	UNIT PRICE	TOTAL AMOUNT
13.	Liquid Oxygen refrigerated (Hospital Grade), delivered in bulk tank trucks 4,500-500 gallons Contractor shall provide means of transferring liquid to plant storage tank; per specifications. Bidding on: _____ _____ (Manufacturer's Name and Model Number)	540,000	GAL	\$ _____	\$ _____
14.	Magnesium Hydroxide (Milk Magnesia) 53% to 56% Grade, delivery to be made in bulk tank trucks of 4,500 - 5,000-gallon capacity, Contractor to transfer material to storage tank(s) per specification. Bidding on: _____ _____ (Manufacturer's Name and Model Number)	5,000	GAL	\$ _____	\$ _____
15.	Calcium Hydroxide Slurry Calcium Hydroxide slurry must consist of 30% calcium hydroxide. Specific gravity must be in the range of 1.19 to 1.23. The calcium hydroxide slurry must be certified as air—classified hydrated lime. Bidding on: _____ _____ (Manufacturer's Name and Model Number)	3,000,000	GAL	\$ _____	\$ _____

16.	Hydrofluosilicic Acid (H ₂ SiF ₆) in liquid form, delivered in tank truck loads of approximately 40,000 pounds and pumped by vendor into County storage tanks per specifications. Bidding on: _____ _____ (Manufacturer's Name and Model Number)	720	TON	\$ _____	\$ _____
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TOTAL: \$ _____

By submission of this bid, the contractor guarantees that the product offered will meet the quality standards as specified for the term of the contract. DeKalb County reserves the right to conduct periodic checks on the quality of material furnished under this contract or to have the product quality checked by outside sources to determine if the material furnished is in compliance with these specifications. Failure of the contractor's product to meet the specified standards of quality will result in termination of the contract.

Glossary of Terms:

ASTM: American Society for Testing and Materials. 100 Barr Harbor Drive, W. Conshohocken, PA 19428.

AWWA: American Water Works Association

APHA: American Public Health Association" I Street, N. W. Washington, D.C. 2001

WEF: Water Environment Federation, 601 Wyth St., Alexandria, VA 22314

ANSI: American National Standards Institute, 25 W. 43rd St., Fourth Floor, New York, NY 10036

DOT: Department of Transportation

OSHA: Occupational Safety and Health Administration

NSF: National Safety Foundation

ATTACHMENT H
MINIMUM SPECIFICATIONS
FOR
H2SiF 6

N. HYDROFLUOSILICIC ACID:

1. The Hydrofluosilicic Acid supplied in accordance with these specifications shall contain no soluble mineral or organic substances in quantities capable of producing harmful effects upon the health of those consuming water that has been properly treated with this material.
2. Analysis of the various constituents shall be as follows:

Name	Percentage
Hydrofluosilicic Acid (H ₂ SiF ₆)	23.00 percent minimum (by weight)
Arsenic (S)	0.25 Percent maximum (by weight)
Antimony (SB)	0.005 Percent maximum (by weight)
Lead (Pb)	0.01 percent maximum (by weight)
Iodine (I)	0.025 per maximum (by weight)
Organic Material	0 percent Nil (by weight)

11. Fluoride available in acid form:

Name	Percentage & Degrees
23 percent H ₂ SiF ₆ solution	17.65 percent
Boiling point of 25 percent solution	22.5 degrees F
Freezing point of 25 percent solution	5 Degrees F
PH of 1 percent solution	1.2
Density of 25 percent solution	10.3 pound/gallon

12. This material shall not contain more than 0.020 percent of the heavy metals mercury, lead, bismuth, and copper, expressed as lead (Pb).
13. The Hydrofluosilicic Acid shall be clean and free of visible suspended matter and shall be free from water that is white to straw yellow in color.
14. The Hydrofluosilicic Acid (H₂SiF₆) shall be in liquid form delivered in tank truck loads of approximately twenty (20) tons (40,000 lbs) and pumped by vendor into County storage. Contractor shall inspect County facilities equipment/storage capability prior to first delivery.

15. The Certificate of Compliance shall be in the possession of the Contractor's delivery truck driver at the time of delivery.
16. The Certified Analysis shall be signed by an employee of the Contractor and specify percentage of H_2SiF_6 by weight, quantity of free acid, percentage of phosphoric anhydride and the specific gravity.
17. Contractor agrees to pay for all costs to repair storage, conveying or slaking equipment at either facility which is damaged as a result of any foreign matter delivered with Contractor's product.
18. All hook-ups need to be 2-inch male cam locking fitting.
19. Contractor shall have a representative in the greater Atlanta area within 2 hours travel time of delivery location. Contractor is required to respond within 2 hours of County's notification of emergencies, errors and mishaps.
20. It shall be the responsibility of the material transporter to provide a proper sample of the Hydrofluosilicic Acid.
21. By submission of this bid, the Contractor guarantees that the product offered will meet the quality standards as specified for the term of the contract. DeKalb County reserves the right to conduct periodic checks on the quality of material furnished under this contract or to have the product quality checked by outside sources to determine if the material furnished is in compliance with these specifications. Failure of the Contractor's product to meet the specified standards of quality will result in termination of the contract.