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MELONY LEE, City Clerk

STEPHEN C. SMITH, Utilities Director

City of Phenix City
Specifications for Bid# U18-01
Liquid Chlorine and Sulfur Dioxide

I. General Terms and Conditions

1. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Chlorine and Sulfur Dioxide required to be purchased by the City of Phenix City during the contract period.
2. Within 5 business days of being awarded the bid, the successful bidder shall acquire a City of Phenix City business license. If the successful bidder does not acquire said business license within 5 business days of being awarded the bid, said bidder shall lose the bid and the City of Phenix City shall award the bid the next successful bidder.
3. It is estimated that 90 tons of chlorine and 10 tons of Sulfur Dioxide will be required in the operation of the Water Filtration Plant (WFP) and Waste Water Treatment Plant (WWTP) during the period May 1, 2018 – September 30, 2019. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
4. A purchase order for the period of May 1, 2018 – September 30, 2019 inclusive will be awarded as a result of this invitation for bid. The City of Phenix City will issue verbal release orders for each shipment under the contract. Prices quoted shall not change for the entire term of the contract.
5. Product shall be delivered in one (1) Ton net weight containers to either the City of Phenix City WFP (1100 32nd St. Phenix City, Al. 36867) or WWTP (1600 East State Docks Rd. Phenix City, Al. 36869) as directed within five (5) days following the request for each delivery. Deliveries shall include unloading of said containers at the WFP dock and under the WWTP monorail crane system. Deliveries will be accepted only between the hours of 8:00 am through 3:00 pm est. Monday through Friday (No Exceptions).



6. The City of Phenix City will receive chlorine and sulfur dioxide only under the following conditions:
 - i. The delivery truck must be equipped with hoisting capabilities and the delivery driver will be responsible for off-loading the containers onto the dock or under the monorail system. The delivery driver must be familiar with the hoisting equipment and be able to safely off-load the containers. Any unsafe off-loading conditions will be grounds for rejection of the shipment.
 - ii. A shipment of containers using a chain boom for securing the containers on the truck will be, rejected if the chain boom cannot be released by hand without the aid of a "cheater pipe."
 - iii. Containers will be inspected upon delivery. The containers will be off-loaded onto the dock. The valve covers (bonnets) will be removed by the operators and the valves inspected for leaks.
 - iv. Each valve cap on each container will be loosened and the valve re-tested for leaks. The container will also be inspected for physical damage. This includes any corrosion that is noticeable around the valve or fittings.
 - v. The Risk Management Program (RMP) requires that a container will be returned if the container:
 1. Has physical damage
 2. Has a valve that has a leak under the valve cap and the leak cannot stop by retightening the cap
 - vi. Should a container have a leak that cannot be secured for return, the container will be secured at the dock using the plant's "B" kit. The contractor will be required to remediate the defective container.
7. The City of Phenix City reserves the right to purchase Chlorine and Sulfur Dioxide from another source if successful bidder is unable to deliver Chlorine or Sulfur Dioxide within five (5) business days of the date of the order.
8. The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
9. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must regularly maintain a substantial stock of the Chlorine and Sulfur Dioxide bid upon and must be actively engaged in the sale of Chlorine and Sulfur Dioxide. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.



10. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the most advantageous for the City of Phenix City. No bids may be withdrawn within thirty (30) days after date of opening.
11. Any required deposits, container fees or other special fees shall be noted on the proposal.
12. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of the hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.
13. The contractor shall provide documentation on its hoist equipment inspection and maintenance program developed to assure the hoist is maintained according to the manufacturer's and OSHA standards. In addition, the contractor shall provide documentation that their drivers are certified to use their hoist equipment and that the training, certification and maintenance documentation is up to date.
14. The supplier shall furnish Material Safety Data Sheets (MSDS) for the specified chlorine and sulfur dioxide immediately upon the first delivery. The MSDS shall be updated as required by law or if warranted by any manufacturer or product change.

II. Specifications for Liquid Chlorine

1. Chlorine bid must be in compliance with AWWA B301, Standard for Liquid Chlorine.
2. Bidder must include with the bid submitted an Affidavit stating that the liquid chlorine furnished under this contract complies with all applicable standards and requirements of AWWA B301, Standard for Liquid Chlorine.
3. NSF 60 approved with documentation supplied with each shipment.
4. Purity: 99.5% chlorine minimum
5. Water: 50 parts per million (ppm) maximum

III. Specifications for Sulfur Dioxide

1. Sulfur dioxide shall meet requirements of AWWA Standard B512-08.
2. Chemical Analysis

Product makeup	Guaranteed	Typical
SO ₂	99.9% Minimum	99.99%
Water	100 ppm Maximum	70 ppm
Nonvolatile	50 ppm Maximum	6 ppm



SO ₃	10 ppm Maximum	1 ppm
Elemental Sulfur	10 ppm Maximum	5 ppm
Total Metals	30 ppm Maximum	
Pb	10 ppm	
Fe	10 ppm	
As	3 ppm	
Se	3 ppm	

IV. Insurance Requirements

1. The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:
 - i. Workman’s Compensation Statutory Limits
 - ii. General Liability
 1. \$500,000/bodily injury
 2. \$100,000/property damage
 3. \$250,000/each person
 - iii. Auto Public Liability
 1. \$250,000/person
 2. \$500,000/accident or occurrence
 3. \$100,000/property damage
 - iv. Product Liability
 1. \$1,000,000/occurrence

V. Information

1. For information in responding to this Invitation for Bids, prospective bidders may contact the City of Phenix City Purchasing Agent, Seprona James at (334) 448-2735.
2. To be considered, bids must be received at the City of Phenix City’s Finance Department.
3. Schedule:
 - i. Mail out specs February 5, 2018
 - ii. Bids are due to the City by 10:00am on Thursday, April 12, 2018
 - iii. Award the bids on Tuesday, May 1, 2018

VI. Bid:

Chlorine \$ _____ Ton Sulfur Dioxide \$ _____ Ton