

# **GENERAL CONDITIONS FOR LIQUID FERRIC SULFATE**

## **I. CONTRACT PERIOD**

The period of this contract will be for One (1) year from date bid is awarded. This contract may be renewed for up to three (3) years from the initial award date upon the agreement of both parties. Bid price will remain firm during the period of the contract.

## **II. DELIVERY**

Deliveries shall be made within seven (7) working days from the date of order. The vendor shall notify Water Plant Operator or Shelby County Water Services personnel (the person who ordered the product) of any problems in meeting the mandatory seven (7) working day deadline and the vendor must schedule specific delivery day and time with personnel if the deadline is not met. Excessive failure to deliver within seven (7) working days shall be grounds for rejection of the vendor for future purchases, at the sole discretion of Shelby County. Bulk deliveries of chemicals, if ordered, shall be made in tanker truck. For all chemical deliveries, the truck must be equipped with all the means to safely convey the chemical from the truck to the storage tanks. Any spillage or leakage shall be the responsibility of the vendor.

All quoted prices shall include delivery charges. Deliveries shall be made to the following addresses:

Shelby County South Water Treatment Plant  
7935 Highway 61  
Wilsonville, Alabama 35186

Talladega/Shelby Water Treatment Plant  
289 First Road  
Alpine, Alabama 35014

### **CHEMICAL DELIVERIES**

Deliveries of totes and/or bulk shall be made to either of the water treatment plants in accordance with plant operator instructions at the Talladega/Shelby Water Treatment plant located near Childersburg and at the Shelby County South Water Treatment Plant located in Wilsonville. Orders may include one or more delivery sites.

For all bulk loads of chemicals, supplier shall provide all necessary hoses and fittings to safely offload the product into the designated tanks by plant personnel. Prior to first delivery, supplier needs to visit site to understand the layout and what hoses and fittings will be needed for deliveries. Rejection of an unacceptable delivery method shall not excuse the vendor from the seven (7) working day delivery requirement.

Drivers shall not make connections nor initiate offloading procedures until authorized to do so by the plant operators. Drivers will be required to wear protective clothing and equipment in accordance with OSHA rules during unloading of the product. Driver will monitor unloading to insure that delivery is discontinued if a problem during unloading develops.

The supplier shall be responsible for cleanup of any spills resulting from the delivery or occurring during unloading of the product.

### **III. BILLING**

Invoice payments shall be based solely on total certified weight ticket and the vendors stated bid price. Product shall be billed in **pounds of product shipped** and all prices shall include shipping. Shelby County Water Services does require a Purchase Order for every order placed. Shelby County Water Services is tax exempt (tax exempt #63-6001694). All invoices shall be billed to Shelby County Water Service; P.O. Box 10; Columbiana, Alabama 35051.

### **IV. ESTIMATED ANNUAL USE**

Products will be ordered on an *AS NEEDED* basis. Minimum quantities for chemical orders, other than bulk orders, may be one (1) tote or one (1) pallet. Estimated quantities for products are:

70,000 lbs of product for combined plants

### **V. BID QUALIFICATIONS**

All BIDDERS must submit product information with bids. Information to be submitted must show the product proposed meets all the specifications listed below and list **ALL EXCEPTIONS** to the specifications in a separate document.

# QUOTATION SHEET

## Shelby County Water Services

**BID: LIQUID FERRIC SULFATE**

Liquid Ferric Sulfate in totes (per pound delivered)

\$ \_\_\_\_\_

Liquid Ferric Sulfate in Bulk Tanker (per pound delivered)

\$ \_\_\_\_\_

**THE UNDERSIGNED OFFERS THESE PRICES, TERMS, AND DELIVERY AS PER BID GENERAL CONDITIONS AND SPECIFICATIONS:**

**NAME OF COMPANY:** \_\_\_\_\_

**BY: (Please Print):** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_

**COMPANY ADDRESS:** \_\_\_\_\_

**PHONE:** \_\_\_\_\_

**E-MAIL:** \_\_\_\_\_

**BID BOND:** \_\_\_\_\_

(If Applicable)

**BIDS SUBMITTED ARE FIRM AND NO CLAIMS FOR ERRORS WILL BE MADE AFTER BIDS ARE OPENED AND SUBSEQUENT THEREOF.**

Sworn to and subscribed before me this

the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_, Notary Public

My Commission Expires: \_\_\_\_\_

# **BID SPECIFICATIONS FOR LIQUID FERRIC SULFATE**

## **I. GENERAL**

- A. The material to be provided shall be Liquid Ferric Sulfate, approved for potable water treatment, listed/certified under the National Sanitation Foundation (NSF) Standard 60 and meeting all provisions of ANSI/AWWA STANDARD B406; "Ferric Sulfate", of latest revision.

## **II. PRODUCT**

- A. The Liquid Ferric Sulfate shall meet the physical and chemical properties listed below. The Liquid Ferric Sulfate shall be supplied as an aqueous solution containing not less than 10% ferric iron, all soluble.
- B. The Liquid Ferric Sulfate shall be manufactured from a source of virgin mined iron ore and selected high purity components i.e. magnetite, hematite, ferrous sulfate, etc. - and a "water white" grade of sulfuric acid.
- C. The Liquid Ferric Sulfate shall be free from extraneous material and shall be transported and delivered at such concentration and temperature that no freezing occurs. The liquid shall be suitable for feeding by means of metering pumps or other metering devices constructed of corrosion-resistant materials.
- D. The Liquid Ferric Sulfate shall have the following chemical properties:
  - 1. Ferric iron: not less than 10% by weight water-soluble ferric iron
  - 2. Ferrous iron: shall not exceed 0.5% on a basis of 10% ferric iron
  - 3. Free Acid (as %  $H_2SO_4$ ): 3.5% max.
  - 4. % Insoluble: 0.1% max.
  - 5. Chlorides: Not more than 10 ppm chloride shall be present per 1% of ferric iron content at 100°F (38°C).
- E. Impurities
  - 1. Liquid ferric sulfate shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been properly treated with liquid ferric sulfate.

## **III. QUALITY CONTROL AND TESTING**

- A. Sampling and testing shall be conducted in accordance with all AWWA; ANSI and ASTM specifications.
- B. It shall be the vendor's responsibility to provide a Material Compliance Certificate of Analysis for each lot shipped to the BUYER. The Certified Analysis shall be signed by an employee of the vendor and specify: % total iron, % ferric iron, % ferrous iron, % free sulfuric acid, and liquid specific gravity. The Certificate of Compliance shall be in the possession of the Buyer at the time of delivery.
- C. Upon request from the Buyer, it shall be the responsibility of the material transporter to provide a proper sample of the Liquid Ferric Sulfate being delivered for analysis. The Liquid Ferric Sulfate sample shall be prepared in accordance with AWWA 406 of the latest revision. Each sample shall be labeled to identify its content, and the label shall be signed by the person actually collecting the sample.

**IV. MANUFACTURER**

- A. The Bidder shall state, in his proposal, the name of the manufacturer of the Liquid Ferric Sulfate, the bidder intends to supply. The Contractor shall provide proof that the Liquid Ferric Sulfate to be provided is approved for potable water treatment, and meets the National Sanitation Foundation Standard 60 and the specifications above.