



ADVERTISEMENT FOR BIDS

SEPARATE SEALED BIDS FOR THE PURCHASE OF CHEMICALS FOR A POTABLE WATER TREATMENT PLANT OF 18 MGD CAPACITY WILL BE RECEIVED BY THE NORTHEAST MISSISSIPPI REGIONAL WATER SUPPLY DISTRICT, POST OFFICE BOX 111, FULTON, MS 38843 / FEDEX ADDRESS 5590 HWY 178 WEST, FULTON MS 38843, UNTIL 11 AM CENTRAL TIME, DECEMBER 2, 2015, **SEALED BIDS FOR WATER TREATMENT CHEMICALS WILL BE OPENED, DECEMBER 2, 2015 AT 11 AM AND REVIEWED AT THE TREATMENT PLANT ADDRESS 5590 HWY 178 WEST, FULTON, MS 38843 PHONE 662-862-7045.** THESE BIDS WILL BE SUBMITTED FOR APPROVAL AT THE MEETING OF THE DISTRICT BOARD ON DECEMBER 17, 2015.

ALL BIDS MUST BE SUBMITTED IN A SEALED ENVELOPE ADDRESSED TO THE NORTHEAST MISSISSIPPI REGIONAL WATER SUPPLY DISTRICT. EACH SEALED ENVELOPE CONTAINING A BID MUST BE PLAINLY MARKED ON THE OUTSIDE AS **"BID FOR WATER TREATMENT CHEMICALS TO BE OPENED DECEMBER 2, 2015."**

BID PRICES WILL BE F.O.B. TO THE NORTHEAST MISSISSIPPI REGIONAL WATER TREATMENT PLANT, 5590 HWY 178 WEST, FULTON, MS 38843. THE ITEMS WILL BE SELECTED ON AN INDIVIDUAL BASIS. THE NORTHEAST MISSISSIPPI REGIONAL WATER SUPPLY DISTRICT RESERVES THE RIGHT TO ACCEPT ALTERNATE BIDS IN THE EVENT THE PRIMARY SUPPLIER IS UNABLE TO PROVIDE PRODUCTS AS SPECIFIED.

All CHEMICALS MUST BE ANSI/NSF STANDARD 60 APPROVED. ALL VENDORS SHALL PROVIDE CERTIFICATE OF ANSI/NSF STANDARD 60 APPROVALS. THIS SHALL BE SUBMITTED WITH YOUR BID. THE BID SHALL BE ON A BULK BASIS AND MATERIAL SHALL MEET THE FOLLOWING SPECIFICATIONS:

1. **LIQUID ALUM (ALUMINUM SULFATE)**

4.1.3 Liquid alum shall be of such clarity as to permit the reading of flow-measuring devices.

Manufacturer shall use only bauxite ore (not bauxitic clay) as the aluminous raw material source.

Total Al<sub>2</sub>O<sub>3</sub> - 8%

Water insolubles - 0.02 maximum

Total iron as Fe<sub>2</sub>O<sub>3</sub> - 50 ppm

PH - 1.7 - 2.1

Baume - 35.5 to 36.5 @ 60 f

Material should comply with spec. B403-93 **AWWA**



### **Impurities**

4.3.1 Aluminum sulfate shall contain no soluble material or organic substances in quantities capable of producing deleterious effects on the health of those consuming water that has been treated properly with the aluminum sulfate.

### **Delivery**

Delivery shall be within 2 days of notification of the order.

### **2. LIME (BULK)**

Available lime index 2.0%

Available calcium hydroxide - 95.93%

CaCO<sub>3</sub> - 0.61%

Magnesium oxide - 3.0%

90% of material should pass 325 water insolubles retained on mess will be less than 0.8%.

### **Delivery**

Delivery shall be within 3 days of notification of the order.

### **3. POTASSIUM PERMANGANATE - free flowing grade**

#### **Physical Requirements**

The material shall be free flowing grade, which should be able to take up to 0.7% moisture before caking. Any product delivered which does not meet the definition of free flowing in AWWA **b603-93 standard** will be subject to rejection.

#### **Chemical Requirements**

The KMnO<sub>4</sub> content shall not be less than 97 percent by weight for the free-flowing grade.

#### **Packaging**

Only 25kg or 50 to 55 pound pails of product will be accepted. Packaging and shipping of potassium permanganate shall conform to all applicable federal, state, and local regulations. Net weight error shall



conform to national bureau of standard - shipment shall contain no less than 98 percent of the stated weight.

### **Delivery**

Delivery shall be within 5 days of notification of order.

## **4. CHLORINE**

### **Standard**

Must meet AWWA Standard B301-04. Veolia personnel will inspect cylinder valves, label and reject all cylinders not meeting Section 5.1. Cylinders that are leaking or show signs of a leak at time of delivery will be rejected and reported to regulatory agencies of violation of Hazardous Materials Regulations. All consequences of cylinder rejection and Hazardous Materials Regulations violations will be the responsibility of the vendor.

### **Delivery**

Tare weight of the cylinders must be clearly marked and legible. Ton cylinder shipments will only be accepted from open bed trailers. No cylinder deposit will be paid. When cylinders are empty supplier is free to pick up said cylinders.

### **Technical Assistance**

Within 6 months being awarded the bid, said vender will have provided safety training on handling chlorine gas. The training will include a certificate of attendance and participation in "chlorine safety and handling with the B Kit"

## **5. SODIUM SILICOFLUORIDE**

Material shall be in 50-pound bags and meet AWWA STANDARD B702-80

### **Delivery**

Only 50-pound bags of product will be accepted. Packaging and shipping of Sodium Silicofluoride shall conform to all applicable federal, state, and local regulations. Net weight error shall conform to national bureau of standard - shipment shall contain no less than 98 percent of the stated weight. Any



damaged bags and or wet product received shall be rejected.

**6. LIQUID POLYMER - TOTES**

Polymer shall be liquid, 20% active. Material shall be capable of sludge blanket control over all expected temperature ranges. Material shall meet all **AWWA** standards for potable water. The polymer must blend with the district's house water to form a 0.5 to 3% solution of polymer or the polymer will be deemed unacceptable. Bidders shall have completed a successful pilot plant study using at least 500 lbs. of their product for testing in the district's process before bid acceptance.

**Delivery**

Delivery of the polymer shall be within 10 calendar days of notification of the order. Packaging and shipping the polymer shall conform to all applicable federal, state, and local regulations. Net weight error shall conform to national bureau of standards- shipment shall contain no less than 98 percent of the stated weight.

**7. PHOSPHATE**

Product shall be a mixture containing no metals and shall be minimum 88% total phosphate by weight. Product shall be a blend of potassium and sodium ortho/phosphate salts. The ratio shall be 1:1 to 2:1 poly to ortho. The successful bidder must furnish cold-roll mild steel {C-1010} coupons and two by-pass racks in distribution system. Corrosion test from the coupon racks will be administered by Veolia Water - but the cost of the coupons and testing shall be paid by the vendor. Technical assistance must be provided at least quarterly. Technical assistance is defined as reviewing corrosion coupons and any applicable test and provide recommended dosage rates for the district. Bidders shall have completed a successful pilot plant study using at least 50 lbs. of their product for testing in the district's process before bid acceptance.



**Delivery**

Product sizing shall be in 50 pound or 25-kg containers. Material shall be clean and uniform in composition. It shall be in a free-flowing condition when opened on receipt of shipment. Containers of product not meeting the above conditions shall be rejected. PACKAGING AND SHIPPING OF Phosphate shall conform to all applicable federal, state, and local regulations. Net weight error shall conform to National Bureau of Standards. These NBS guidelines state a shipment shall contain no less than 98 percent of the stated weight. The product must not react adversely with existing corrosion control programs.

**8. SODIUM HYDROXIDE (CAUSTIC SODA)**

**Chemical Requirements**

4.2.2 Liquid sodium hydroxide supply under the provisions of this standard shall contain approximately 50 percent sodium hydroxide. Material should comply with specification B501-98 AWWA

**Impurities**

4.3.1 The sodium hydroxide supplied according to this standard shall contain no soluble material or organic substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been treated properly with the sodium hydroxide.

**9. ANHYDROUS AMMONIA**

**Chemical Requirements**

Refrigerant grade anhydrous ammonia or better and meet all AWWA standards for potable water application.

Ammonia	99.98% Minimum	99.99% typical
Oil	3 ppm Maximum	1 ppm typical
Water	150 ppm Maximum	50 ppm typical

**ALL CHEMICALS ARE TO BE BID DELIVERED TO THE PLANT SITE IN PEPPERTOWN, MISSISSIPPI. DELIVERY TIMES RECONGNIZED AT THE PLANT WILL BE MONDAY - FRIDAY, 8 AM TO 4 PM. SIZE OF ORDERS WILL BE BASED ON AVAILABLE STORAGE AT THE PLANT. ALL PRICES SHALL BE FOR BULK QUANTITIES AND SAID PRICES SHALL REMAIN**



Northeast Mississippi Regional Water Supply District

P.O Box 2709 / Tupelo, MS 38803

Phone: 662-892-0345 / email: waterdistrict11@gmail.com



CONSTANT FOR A PERIOD OF TWELVE (12) CALENDAR MONTHS, JANUARY 1<sup>ST</sup>, 2016 THRU DECEMBER 31<sup>ST</sup>, 2016, FOLLOWING THE ACCEPTANCE OF THE BIDS. THE DISTRICT SHALL NOT RECOGNIZE ANY MODIFICATIONS TO THE PRICE OF THE CHEMICALS DURING THE YEAR, INCLUDING BUT NOT LIMITED TO FUEL SURCHARGES AND OTHER CHARGES. INVOICES RECEIVED AFTER THE THIRD WEDNESDAY OF THE MONTH, WILL BE PAID THE FOLLOWING MONTH. INVOICES RECEIVED AFTER THE SECOND THURSDAY IN NOVEMBER AND DECEMBER WILL BE PAID THE FOLLOWING MONTH. THE DISTRICT RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.

UNLESS PREVIOUSLY SPECIFIED, DELIEVERY OF THE WATER TREATMENT CHEMICALS SHALL BE ACCOMPLISHED WITHIN FIVE WORKING DAYS AFTER RECEIPT OF THE ORDER.

ANY QUESTIONS CONCERNING THE QUANTITIES OR OTHER SPECIFICATIONS HEREIN SHOULD BE MADE TO MELVIN ORR, VEOLIA WATER NORTH AMERICA, POST OFFICE BOX 111, FULTON, MISSISSIPPI, 38843, TELEPHONE (662)-862-7045.

DONE BY THE NORTHEAST MISSISSIPPI REGIONAL WATER SUPPLY DISTRICT THIS, THE 22rd, DAY OF OCTOBER 2015.

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TRAVIS KITCHENS, CHAIRMAN

PUBLISH: October 28th and November 4th, 2015

**Bid Form - Northeast MS Regional Water Supply  
Pricing for the period: January 1st, 2016 - December 31st, 2016**

**Chemicals**



Northeast Mississippi Regional Water Supply District

P.O Box 2709 / Tupelo, MS 38803

Phone: 662-892-0345 / email: waterdistrict11@gmail.com



**Quantities shown are estimated quantities for a one year supply, and may vary more or less during the contract period.**

Name	Delivery	Estimated Usage	Units	Price Bid
Aluminum Sulfate	Bulk Tanker Truck	720	tons	
Lime	Bulk Tanker Hopper Truck	270	tons	
Potassium Permanganate	55.12 pound pails	52,000	pounds	
Chlorine Gas	one ton cylinders	70	tons	
Sodium Silica Fluoride	50 pound sacks	30,000	pounds	
Cationic Polymer	330 gallon totes	55,000	pounds	
Phosphate	50 pound pails / bags	36,000	pounds	
Sodium Hydroxide	Bulk Tanker Truck	125,000	pounds	
Anhydrous Ammonia	Bulk Pressure Tank	25,000	pounds	

Company Name:

Address:

Contact Name:

Phone Number:

Bid submitted by:

Municipal

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date