

Northeast Mississippi Regional Water Supply District
P.O. Box 2709 / Tupelo, MS 38803
Phone: 662-891-0345
Email: waterdistrict11@gmail.com

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 3, 2018, **SEALED BIDS FOR WATER TREATMENT CHEMICALS WILL BE OPENED, DECEMBER 3, 2018 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 13, 2018.

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 3, 2018."**

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 bauxite clay) as the aluminous raw material source.

Total Al_2O_3 - 8%

Water insolubles - 0.02 maximum

Total iron as Fe_2O_3 - 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_3 - 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_4 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. **SODIUM HYPOCHLORITE**

Quantities

Liquid sodium hypochlorite shall be delivered in 4500-gallon truck load shipments. Unloading of hypochlorite shall be by a pump provided on the delivery truck and shall be placed into the appropriate 5000 gallon storage tanks onsite at the treatment plant as directed by the treatment plant staff.

Impurities

Sodium hypochlorite 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 sodium hypochlorite. Sodium hypochlorite also must comply with the specifications listed below related to impurities.

Standard

Liquid sodium hypochlorite must meet AWWA Standard B300.

Specifications

Sodium hypochlorite shall have a minimum of 10 percent by weight NaOCl. Hypochlorite supplied shall be free of visible sediment. A 1,000 mL sample of the sodium hypochlorite supplied shall pass through a 0.8 micron filter under vacuum within five minutes. Water treatment operators will perform this test prior to accepting each delivery for unloading. Sodium hypochlorite also shall meet the contaminant concentration limits below.

| | |
|----------|-------------|
| Iron | <2.0 mg/L |
| Copper | <0.2 mg/L |
| Bromate | <24 mg/L |
| Mercury | <0.05 mg/L |
| Nickel | <0.1 mg/L |
| Cobalt | 0.1 mg/L |
| Chlorate | <2,500 mg/L |

An analysis report shall be submitted for each sodium hypochlorite delivery to the District. The analysis shall include the date of manufacture of the load delivered and contain the percent by weight NaOCl, specific gravity of the solution, and the estimated pounds per gallon of each of the following:

| |
|-----------------|
| Active Chlorine |
| Excess NaOH |

Delivery

Delivery shall be within three working days after receipt of order by the District. The delivered sodium hypochlorite shall be no older than three days at the time of delivery.

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.

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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 |

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ALL CHEMICALS ARE TO BE BID DELIVERED TO THE PLANT SITE IN PEPPERTOWN, MISSISSIPPI. DELIVERY TIMES RECOGNIZED 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 CONSTANT FOR A PERIOD OF TWELVE (12) CALENDAR MONTHS, JANUARY 1ST, 2019 THRU DECEMBER 31ST, 2019, 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 WEDNESDAY IN NOVEMBER AND DECEMBER WILL BE PAID THE FOLLOWING MONTH. THE DISTRICT RESERVES THE RIGHT TO REJECT ANY AND ALL BIDS.

UNLESS PREVIOUSLY SPECIFIED, DELIVERY 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 25th, DAY OF OCTOBER 2018.

BOB BAUGHN, CHAIRMAN
PUBLISH: Oct 29th and Nov 5th, 2018

Northeast Mississippi Regional Water Supply District
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Bid Form - Northeast MS Regional Water Supply
Pricing for the period: January 1st, 2019 - December 31st, 2019

Chemicals

Quantities shown are estimated quantities for a one year supply, and may vary more or less

| Chemical | Delivery | Estimated Usage | Units | Bid Price |
|------------------------------|--------------------|------------------------|--------------|------------------|
| Alum | Bulk Tanker | 787 | tons | |
| Lime | Bulk Hopper Tanker | 270 | tons | |
| Potassium Permanganate | 55 pound pails | 56,000 | pounds | |
| Sodium Hypochlorite (bleach) | Bulk Tanker | 150,000 | gallons | |
| Sodium Silica Fluoride | 50 pound bags | 35,000 | pounds | |
| Cationic Polymer | 330 gallon totes | 107,000 | pounds | |
| Phosphate | 50 pound bags | 36,000 | pounds | |
| Sodium Hydroxide | Bulk Tanker | 125,000 | pounds | |
| Anhydrous Ammonia | Bulk Pressure Tank | 25,000 | pounds | |

Bid submitted by:

Company: _____

Address: _____

Contact Name: _____

Phone Number: _____