



Hopkinsville Water Environment Authority

Bid Packet:

FY 2018 - 2019
Sealed Bid # 0059
Treatment Chemicals

Bid Opening:

Tuesday, June 5, 2018 @ 1:00 P.M. CST
401 East 9th Street, Hopkinsville, KY 42240
HWEA Boardroom

BID PACKET

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IMPORTANT: In the event any of the documents are not enclosed, please advise the Purchasing Officer immediately.



INVITATION TO BID

Sealed bids for furnishing and delivering the following:

FY 2018 - 2019
Sealed Bid # 0059
Treatment Chemicals

will be received at HWEA's Main Office, 401 East 9th Street, P. O. Box 628, Hopkinsville, Kentucky, until 1:00 p.m., CST, on June 5, 2018, at which time the bids will be opened and read aloud publicly in the HWEA Board Room, at the same address.

The Bid Packet contains the Invitation to Bid, General Conditions, Specifications, and Detailed Specifications.

General Conditions

1.0 Purpose

1.1 The intent of this invitation for bid and resulting contract(s) is to provide the annual requirements, in the estimated quantities indicated, for chemicals to treat water and wastewater.

2.0 Application

2.1 The chemicals proposed in this bid shall conform to regulations set forth by NSF and AWWA.

2.2 All chemicals in this bid shall be delivered, as directed, to one of the following Hopkinsville Water Environment Authority, hereafter known as HWEA, locations:

Moss Water Treatment Plant
1000 Metcalfe Lane
Hopkinsville, KY 42240

Commerce Park Booster Station
Pembroke Road
Hopkinsville, KY 42240

Hammond-Wood Wastewater Treatment Plant
128 Gary Lane
Hopkinsville, KY 42240

Crofton Wastewater Treatment Plant
Sewer Plant Road
Crofton, KY 42217

South Quarry Pump Station
1010 North Main Street
Hopkinsville, KY 42240

Oak Grove Wastewater Treatment Plant
500 Carter Road
Oak Grove, KY 42262

3.0 Terms and Conditions

- 3.1 Procedures - The extent and character of the services to be performed by the contractor shall be subject to the general guidelines of HWEA's Purchasing Policy. An authorized HWEA employee and the contractor must approve, in writing, any changes.
- 3.2 Contract Period - The contract shall cover the period from **July 1, 2018 through June 30, 2019** or equivalent period depending upon the date awarded. The contract may be extended yearly, upon a written agreement from both parties.
- 3.3 Delivery - All bids need to be FOB destination, freight prepaid. Chemicals should be delivered within twenty four (24) hours after order is placed, unless otherwise specified. Also, Saturday delivery shall be available at no extra cost to HWEA.
- 3.4 Vendor must provide an order confirmation via email to the Purchasing Officer and Plant Supervisor. This confirmation should include but not be limited to the amount of chemical being shipped and the estimated time of arrival. The email shall also include the name of the person who received the order, and the time and date the order was placed.
- 3.5 HWEA shall require that the contractor give (30) days written notice if there is going to be a delay in services. If contractor defaults on delivery (without acceptable reasons) or fails to meet specifications, this authorizes HWEA to purchase supplies, equipment, and/or services elsewhere and charge full increase in cost and handling to defaulting contractor.
- 3.6 Safety Data Sheets - HWEA's Hazard Communication Policy requires that SDS sheets be supplied for all chemicals with each shipment. Also, vendors shall be required to furnish chemical labels on product.
- 3.7 All contractors and subcontractors performing services for HWEA are required and shall comply with all Occupational Safety and Health regulations. Also all contractors and subcontractors shall be held responsible for the safety of their employees and any unsafe acts or conditions that may cause injury or damage to any person(s) or property within and around the work site area under these services.
- 3.8 All successful bidders shall be required to hold safety and handling training within 90 days of award for the product being sold to HWEA. Trainer shall provide a short resume of his qualifications to plant Supervisor and/or Safety Officer.
- 3.9 All chemicals are preferred to be manufactured in the United States.
- 3.10 Vendor must provide emergency response within two hours of notification.
- 3.11 A Certificate of Analysis shall be supplied with all chemicals for each shipment.

4.0 Chemical Specifications Identified

4.1 All chemicals received on pallets shall be stacked no taller than 48" in height. Pallets shall be no wider than 42". Shipments on pallets outside of specs will be refused.

4.2 Carbon (Powder Activated Carbon or PAC)

- Must have an iodine number greater than 900.
- Must be shipped in 50 pound bags.
- Must be NSF 60 approved
- Carbon "shall be coconut based" no exceptions!
- Must be shipped on pallets of good working condition and within the guidelines as set forth in Section 4.1
- Any pallets delivered outside of the pallet specification will be grounds for shipment refusal and shall be returned to the seller at the vendor's expense.
- Any product loaded pallets which have shifted or become unstable during transit and cannot be safely unloaded will be refused and returned to seller at the vendor's expense.
- Estimated annual consumption 50,000 pounds.

4.3 Hydrofluosilicic Acid 23%

- Supplied in tote containers with capacity of/or around 270 gallons.
- Tote containers shall not exceed 40" in width.
- Estimated annual consumption 15,000 gallons.

4.4 Polyphosphate (Ortho:Poly Blended Phosphate) 30:70 Blended Ratio

- All bid products must be based on 30% ortho & 70% polyphosphate.
- All bid products shall be required to have a minimum concentration of 34.5% by weight (+/- 2%).
- Specific Gravity of product must be 1.367
- Product must be freeze/thaw stable.
- Product must be a clear homogenous liquid with a turbidity of less than 2.0 NTU's.
- Product must be bacteria free. Zero bacteria count determined by the Standard Methods Test method for Heterotrophic Plate Count (HPC).
- Must be delivered in 270 gallon totes or an acceptable container or volume agreed upon by HWEA.
- Technical support must be available upon request.
- An on-site visit within 2-3 days, if product or performance issues arise.
- System wide coupon program shall be provided, installed, and implemented within 45 consecutive days from the start of HWEA's new fiscal year (July 1st).
- Estimated annual consumption 3,500 gallons.

4.5 Sodium Permanganate

- Normally delivered shipment shall be in quantities of 2,000 – 4,200 gallons. However, smaller quantities shall be available upon request in one-way totes of 270 gallons or less at no additional cost.
- All bid products shall be a 20% neat solution.
- Product pH range 6.0 – 9.0
- Product specific gravity – 1.16 (+/- 2)
- Solubility in Water: Miscible with water in all proportions.
- Product preferred to be equal to or exceeds the standards of Carusol 20 but not limited to Carus distributors.
- Estimated annual consumption 6,000 gallons.

4.6 Chlorine

- Shipment shall be in (1) ton cylinders and/or 150 lb. cylinders
- Vendor supplies well – maintained cylinders, new lead washers, and 26 Degree Aqua Ammonia (upon request) for leak detection with each individual cylinder. Cylinder maintenance documentation shall be provided upon request.
- (1) ton cylinder estimated annual consumption 100,000 pounds.
- 150 lbs. cylinders estimated annual consumption 600 pounds.
- HWEA will not pay deposits on cylinders during use.

4.7 Sodium Hypochlorite Solution 12.5% (Bleach)

- Bleach solution shall contain a minimum of 12% but not more than 16% available chlorine.
- To be supplied and delivered in 5 gallon containers.
- Product shall be no older than 30 days upon delivery to FOB.

4.8 Sulfur Dioxide

- Shipment shall be in 150 lb. cylinders
- Physical state liquid
- Estimated annual consumption 40,000 pounds

4.9 Polyaluminum Chloride (PACL)

- Shipped in 4,500 gallon bulk load.
- Must meet Hyper+lon 1750 specification.
- PACL must contain 16% AL2O3 (+/- .05%).
- PACL must have a basicity of 50%.
- Must be able to ship product within a 72 hour notice.
- Vendor must conduct performance evaluation tests to verify effectiveness of product at no cost to HWEA.
- Vendor must perform a plant trial prior to bulk delivery at no cost to HWEA.
- Vendor must clean bulk & day tanks prior to first delivery at no cost to HWEA.
- Technical support must be available upon request and an on-site visit within 2-3 days, if product or performance issues arise.
- Estimated annual consumption 100,000 gallons.

4.10 Peracetic Acid

- Must contain 15% Peracetic Acid.
- Must be shipped in 330 gallon one way totes.
- Must be NSF 60 approved
- Vendor must provide at no charge to HWEA, a dual pump skid containing two peristaltic pumps.
- Pump setup must contain a calibration column, pressure relief valve, interconnecting piping, tubing, wiring, valves, fittings, and pump cabinet and container.
- Vendor must provide at no charge to HWEA, a residual probe system that provides continuous measurement and control of parasitic acid. Must also measure real time residual down to 0.01 mg/L.
- Vendor must provide at no charge to HWEA, a handheld photometer.
- Vendor at no charge to HWEA, provide installation of equipment and removal of equipment if contract is terminated.
- Vendor at no charge to HWEA, must provide monthly maintenance to dosing equipment. Maintenance must include but not limited to monthly inspection and replacement of dosing tubes, monthly testing for accurate dosing, etc.
- Estimated usage, 16,000 gallons.

4.11 Polymer (Clarifloc CE-1260)

- Must come in plastic 55 gallon drums.
- pH must be 3-7 @ 5 g/l.
- Must be cationic.
- Must come in a liquid.
- Estimated usage 1500 gallons.

4.12 Odor Control/Hydrogen Sulfide Prevention

- Must be clear liquid.
- pH of 6.5
- Solubility in water: 10.5 - 12.0 lb./gal.
- Viscosity (CST): 50 -200 cps at 70°F.
- Vendor must notify Hammond Wood WWTP 25 minutes before delivery.
- An HWEA employee must be present while chemical is being discharged into container.
- Chemical shall not be delivered in a semi-truck.
- Estimated usage 7500 gallons

4.13 All consumptions are based on estimated usage quantities for fiscal year 2017/2018. This is not a guarantee of any amount that will be purchased.

4.14 Technical support must be available for all chemicals upon request. On - site technical support shall be provided within 48 hours of request, unless other arrangements are agreed upon by HWEA.

5.0 Instructions

5.1 Supply chemical specifications and SDS sheets on all chemicals bid.

5.2 Bid all products as follows: wet product in gallons, dry product in pounds. Failure to list bids in this manner may be grounds for bid rejection.

5.3 Bids shall be FOB-Destination prepaid to Hopkinsville, KY. Delivery is to be made as the order is placed.

5.4 Vendor must provide a copy of the following certificate of insurance:

Description	Amount
a. Worker's Compensation	Statutory
b. Employer's Liability:	
• Bodily Injury by Accident	\$500,000 Each Accident
• Bodily Injury by Disease	\$500,000 Each Employee
• Bodily Injury by Disease	\$500,000 Policy Limit
c. Automotive Liability:	
• Bodily Injury & Property Damage	\$1,000,000 Each Accident
d. Commercial General Liability	
• Bodily Injury & Property Damage	\$1,000,000 Per Occurrence / \$2,000,000 Aggregate
e. Commercial Umbrella	\$5,000,000 Per Occurrence

5.5 Failure to meet any specifications is grounds for termination of bid.

5.6 HWEA reserves the right to reject any or all bids and to determine which bid is lowest and/or most responsive.

5.7 Questions regarding specifications contact Joey Renshaw at 270-887-2782 between the hours of 8:00 AM - 4:00 PM CST, Monday - Friday.

5.8 Bids will be opened Tuesday, June 5, 2018 at 1:00 PM CST, 401 East 9th Street, Hopkinsville, KY, in the HWEA Boardroom.

5.9 Bids shall be sealed in a second envelope, both envelopes marked as follows:

**HOPKINSVILLE WATER ENVIRONMENT AUTHORITY
PO BOX 628
401 East 9th Street
HOPKINSVILLE KY 42241-0628
ATTN: Joey Renshaw
SEALED BID CHEMICAL #0059**

6.0 Bid/Contract Form - SEALED BID #0059

Chemical	Bid Price
Carbon - Lbs.	
Chlorine	Ton 150#
Hydrofluosilicic Acid 23%	
Polyphosphate (Ortho:Poly Blended Phosphate) 30:70 Blended Ratio	
Sodium Permanganate	
Sodium Hypochlorite Solution 12.5% (Bleach)	
Sulfur Dioxide 150#	
Polyaluminum Chloride (PACL)	
Peracetic Acid	
Polymer	
Odor Control / Hydrogen Sulfide Prevention	

List All Specifications Not Met By Number:

All Bids shall be FOB via truck as ordered. Bids will be opened Tuesday June 5, 2018 1:00PM CST.



BID FORM

FY 2018 - 2019
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Company Name: _____

Address: _____

Telephone: _____ Fax: _____

I, the undersigned, do hereby certify that I am a duly authorized representative of _____ located at _____ and I have carefully examined the Invitation to Bid, General Conditions, Specifications and Bid Form and agree to all terms and conditions as set forth therein.

Signature: _____

Title: _____

Acknowledged before me this _____ day of _____, 2018

NOTARY PUBLIC
My Commission Expires: _____



RECEIPT OF BID PACKET

FY 2018 - 2019
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I hereby acknowledge receipt of the subject bid packet.

Company Authorized Signature

Date