

Date Issued: February 7, 2019

Invitation to Bid No.: 19-021

The City of Decatur will accept sealed bids for the following material, equipment or services:

Description: Pool Filter System & Installation

A mandatory Pre-bid Meeting will be held February 20, 2019 at 10:00am at the Point Mallard Water Park

Sealed and Marked Bids must be received before March 5, 2019 at 2:00pm

Return sealed bid to:

Regular Mail

City of Decatur
Purchasing Department
P.O. Box 488
Decatur, AL 35602

Courier

City of Decatur
Purchasing Department
Third Floor
402 Lee St., NE
Decatur, AL 35601

I/We agree to furnish at the prices shown and guarantee that each item offered will meet or exceed all specifications, terms and conditions, and requirements listed. I herein affirm I have not been in any agreement or collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding or otherwise. I have read and understand all terms and conditions of this bid.

Company Name

Authorized Signature

Mailing Address

Typed/Printed Authorized Name

City, State, Zip

Title

Contractor's License No. (if required)

Telephone

Email

PRICE SHEET

Opening Date: March 5, 2019

Invitation to Bid No.: 19-021

Opening Time: 2:00 pm

See Enclosed Price Table

Prices quoted in all bids for personal property shall be total delivered price.

- A bid bond **IS** required for this ITB.
- Delivery can be made _____ days or _____ weeks after receipt of order.
- Terms: _____ (Discounts offered in payment terms will be considered in the bid evaluation)
- Prices valid for acceptance within _____ days (not to be less than 180 days)

NOTE: FOR THIS BID TO BE CONSIDERED RESPONSIVE, ALL INFORMATION REQUESTED SHOULD BE SUPPLIED, AS APPROPRIATE OR THE ENTIRE BID MAY BE DISQUALIFIED. BID RESPONSE MUST BE IN INK OR TYPED WITH THE ORIGINAL SIGNATURE INCLUDED.

By signing this contract, _____ represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

Bidder Signature

Company

STANDARD TERMS AND CONDITIONS

IN ORDER TO SUBMIT A RESPONSIVE BID, IT IS VERY IMPORTANT THAT ALL TERMS AND CONDITIONS, SPECIFICATIONS AND INSTRUCTIONS ARE READ THOROUGHLY.

Bid response envelopes shall be properly identified on the front with the invitation to bid number, opening date and time. Each individual invitation to bid shall be submitted in a separate sealed envelope. Multiple bid responses submitted in the same envelope/courier package (that are not in separate envelopes properly identified) shall be rejected. The Purchasing Department assumes no responsibility for late bid responses that occur due to the U.S. Postal Service or private courier service.

Bid responses and signature page must be submitted on this form in ink or typewritten or the bid will be rejected. Submit this **original and (1) copy** of the original with your response.

For a “no-bid” response, return the signature page signed and marked “no bid”. Non-response may result in removal from active bidders list.

The attached specifications are being provided to potential bidders as guidelines that describe the type and quality of equipment, supply, and/or service the City of Decatur is seeking to purchase. The bidder must indicate compliance or list exceptions to each specification item for consideration. Failure to comply with this provision could be cause for rejection of the bid.

Bid responses must be received in the office of the Purchasing Department not later than the date and time specified.

The Purchasing Department will not accept facsimile (fax) nor email transmissions of bids.

Changes or modifications of this Invitation to Bid are allowed only by written authority of the Purchasing Agent.

Non Appropriation of Funds: Continuation of any agreement between the City of Decatur and a bidder beyond a fiscal year is contingent upon continued legislative appropriation of funds for the purpose of this bid and any resulting agreement. Non availability of funds at any time shall cause any agreement to become void and unenforceable and no liquidated damages shall accrue to the City as a result. The City will not incur liability beyond the payment of accrued agreement payment.

Descriptive Literature: Reference to brand names and numbers is not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality indicated will be considered, providing the bid clearly describes the item offered and indicates how it differs from the referenced brands. Descriptive literature on any supplemental information necessary for comparison purposes shall be submitted with the bid or the Purchasing Agent may reject the bid for that item. Reference to literature submitted with a previous bid, or on file with the Purchasing Department will not satisfy this requirement.

The City of Decatur reserves the right to modify all or any portion of this Invitation to Bid when the best interest of the City is involved. The City reserves the right to award this bid

to a single vendor or multiple vendors when in the best interest of the City. The City reserves the right to award parts of this bid or to reject all bid submissions.

The City of Decatur reserves the right to seek clarification of bid responses from vendors submitting responses.

The City of Decatur is exempt from all Federal, sales and use taxes.

All bidders shall maintain such insurance as will protect bidder and the City of Decatur from claims under Workman's Compensation Acts and from claims for damage and or personal injury, including death, which may arise from the operation and/or fulfillment of the resulting contract of this Invitation to Bid. Insurance shall be written by companies authorized to do business in Decatur, Alabama. **Evidence of insurance shall be furnished to the City of Decatur Purchasing Department with submitted bids.**

Any individual, company, or corporation doing business with the City of Decatur must possess and show proof thereof all proper licenses and/or proper certifications required by Federal, state and local statutes and regulations prior to award when requested.

The City of Decatur reserves the right to terminate any contract resulting from this bid for just and reasonable cause whereby it appears to be in the best interest of the City. The City shall give the Contractor 90 day's written notice of termination.

The successful bidder agrees, by entering into this contract, to defend, indemnify, and hold the City of Decatur harmless from any and all causes of action or claims of damages arising out of or related to bidder's performance under this contract.

The successful bidder shall abide by all Federal, State, and Local Statutes, laws, regulations, and ordinances. Including but not limited to a current business license and remittance of sales tax owed to the City.

A Bid Bond or a certified check in the amount of five percent (5%) of the price bid, or \$10,000, whichever is least, payable to the City of Decatur, must accompany each bid. Performance Bond and Payment Bond, each in the amount of one-hundred percent (100%) of the bid amount, will be required of the successful Bidder.

An electronic version of this bid is available on the City's website at www.decaturlabamaua.com or by emailing purchasing@decaturlabamaua.com. In order to decrease the evaluation time and insure award by the award date please enter your responses in the electronic version if possible, and return it with a hard copy with your bid response package.

The hard copy of the invitation to bid on file in the City of Decatur Purchasing office shall serve as the master document. Any alterations, deletions, additions or other changes that materially change the intent of the bid could be considered grounds for rejection of the bid response.

Materials incorporated into the Work are exempt from sales and use tax pursuant to Alabama Act No. 2013-205 (effective January 1, 2014). General Contractors and subcontractors interested in bidding are advised to contact the Sales, Use, & Business Tax

Division of the Alabama Department of Revenue for information regarding required qualifications for exemption. Materials incorporated into the project are exempt from sales and use tax. General contractors and/or subcontractors are advised that the successful bidder will be required to submit a routine application to the Alabama Department of Revenue for an exemption certificate.

Exclusion of the electronic files in a bid response is not a basis for rejection.

A BID RESPONSE MAY BE REJECTED IF:

- Bids improperly submitted or identified
- Bid bond not included
- Bid not signed or not original signature
- Requested information, or documentation not submitted with bid
- Failure to acknowledge receipt of addendum with bid
- Material alteration of the master document
- Invitation to bid number not on face of envelope
- Received late
- Bid response not on original form
- Bid not in ink or typed
- Proper licensing not included/provided as required by law

Notice: As a condition of contract, grant or incentive performance with the City of Decatur, compliance with the requirements of the Beason-Hammon Alabama Taxpayer and Citizen Protection Act must be provided. Please enter the name of your company and your name and complete the affidavit below. Your signature must be notarized.

BUSINESS NAME: _____

APPLICANT'S NAME: _____

E-VERIFY AFFIDAVIT

I am the applicant listed above. In my capacity as _____ of the business entity listed above, I do hereby execute this affidavit on behalf of the business listed above and, by executing this affidavit, I verify that business' compliance with Section 31-13-9 of the Code of Alabama, 1975, stating affirmatively that it does not knowingly employ, hire for employment or continue to employ an unauthorized alien. Further, the business has registered with and is participating and will participate during the performance of any contract with the City in the federal work authorization program known as "E-verify" web address <https://e-verify.uscis.gov/enroll> , operated by the United States Citizenship and Immigration Service Bureau of the United States Department of Homeland Security to verify information of newly hired employees pursuant to the Immigration Reform and Control Act of 1986 (IRCA), P. L. 99-603, in accordance with the applicable provisions of Alabama's Immigration law.

The undersigned further represents that, should the business employ or contract with any subcontractor(s) in connection with the physical performance of services pursuant to the contract with the City, it will secure from such subcontractor(s) verification of compliance with Section 31-13-9 of the Code of Alabama, 1975, in a form substantially similar to this affidavit. The Business further agrees to maintain records of such compliance and provide a copy of each said verification on request of the City.

E-verify Employment Eligibility Verification User Identification Number

Applicant

Sworn to and subscribed before me on this the _____ day of _____, 20____

Notary Public

My Commission Expires: _____

Section 34-8-8

Copy of chapter to be included in plans of owners, architects, and engineers; inclusion of license number on bid.

(a) All owners, architects, and engineers preparing plans and specifications for work to be contracted in Alabama pursuant to this chapter shall include in their invitations to bidders, including but not limited to all public and private advertisements, and their specifications a copy of this chapter or the portions thereof as are deemed necessary to convey to the invited bidder, whether he or she is a resident or nonresident of this state and whether a license has been issued to him or her or not, the information that it will be necessary for him or her to show evidence of license before his or her bid is considered. Any person including an owner, architect, or engineer who violates this section shall be guilty of a Class B misdemeanor and shall for each offense of which he or she is convicted be punished, fined, or both, in accordance with Sections 13A-5-7 and 13A-5-12.

(b) All owners, architects, and engineers receiving bids pursuant to this chapter shall require the person, firm, or corporation to include his or her current license number on the bid. The owner, architect, and engineer shall reject all bids that do not contain the current license number of the general contractor submitting the bid. All persons who violate this subsection shall be guilty of a Class C misdemeanor and shall for each offense for which he or she is convicted be punished, fined, or both, in accordance with Sections 13A-5-7 and 13A-5-12.

(Acts 1935, No. 297, p. 721; Code 1940, T. 46, §79; Acts 1959, No. 571, p. 1429; Acts 1996, No. 96-640, p. 1013, §1.)

**CITY OF DECATUR, ALABAMA
Contractor Pre-qualification Form (PQF)**

This form must returned in your sealed bid submission

Safety Health and Environmental (FOR CONTRACTORS AND MAJOR SUPPLIERS)			
GENERAL INFORMATION			
1. Company Name:		Telephone:	
Street Address:	Mailing Address:		
2. Contact for Insurance Information (Name):			
Title:		Telephone:	Fax:
3. PQF Completed By (Name):			
Title:		Telephone:	Fax:
ORGANIZATION			
4. Project Description:			

SAFETY, HEALTH & ENVIRONMENTAL PERFORMANCE			
5. Injury & Illness Stats (previous 3 years)	(Year)	(Year)	(Year)
Total Recordable Incidents:	_____	_____	_____
Fatalities:	_____	_____	_____
6. Has your company received any Citations, Notice of Violations, or other penalties relative to safety, health, or environmental within the last three years?			
Yes _____ No _____			
If Yes, please provide detailed explanation.			

7. Does your organization have a "Drug Free Workplace Policy" and/or Program?

Yes No

8. Does your organization have an Accident/Incident Reporting and Investigation procedure?

Yes No

9. Do you have a Safety Orientation Program?

Yes No

10. Do you conduct field safety inspections?

Yes No

11. Do you conduct Safety Meetings?

Yes No

12. Company Safety Health and Environmental contact:

Name: _____

Title: _____

Address: _____

Phone Number: Mobile _____

Office _____

Email Address: _____

13. Company Representative:

Signature _____

Date _____

Purpose of this bid is to purchase and have installed a complete filtration and recirculation system for the Olympic swimming pool at Point Mallard.

QUALITY ASSURANCE

A. Due to the specialized nature of the specified work and products, all bidders shall be required to have a minimum of five (5) years of operating history. The equipment described herein shall be products of a manufacturer regularly engaged in the fabrication of filtration and recirculating systems for at least fifteen (15) years and shall be a professional engineering corporation.

B. The owner requires that filters bear the National Sanitation Foundation (NSF) seal for Standard #50. This NSF listing is required by the owner regardless of local health department regulations.

C. The specified filter system shall have had an NSF listing for at least two (2) years prior to the project bid date.

D. As assurance that each item of apparatus is properly sized to perform in conjunction with each other.

GUARANTEE

A. The "EQUIPMENT SUPPLIER" shall guarantee that the equipment to be furnished is of the correct capacity, that the various parts are designed to operate correctly and in conjunction with each other, that if the installation is made in accordance with the project drawings and operated in accordance with the suppliers instructions, the system will perform the prescribed functions correctly, the water entering the pool will be clear, bright, free from suspended matter visible to the unaided eye, and will be sanitary to the satisfaction of all authorities having jurisdiction.

SUBMITTALS

A. Provide detailed shop drawings of the items of equipment being provided, indicating the dimensions, material of the filter tanks, exterior face piping, internal manifolds and laterals and filter media.

B. Provide a complete set of operating instructions, embracing the operational functions and recurring maintenance processes involved in connection with the complete filtration system.

PART 1 - FILTER SYSTEM

A. FILTER SYSTEM REQUIREMENTS

1. The system shall be supplied complete by the manufacturer and shall include: internals, face piping and valves, gauge panel with tubing and petcocks, sight glass, air relief connection, bottom drain connection with internal strainer.

2. System shall be fabricated and fully assembled at the manufacturer's plant for pressure testing and dimensional verification. System shall be knocked down for shipping purposes in subassemblies for minimum field assembly. Internal manifold and lateral piping shall be factory installed and shipped in place.

B. FILTER SYSTEM CAPACITY

1. The filter system capacity, size, performance and model number shall be as shown on the drawings.

FIBERGLASS FILTER TANK

- A. The equipment described herein shall be products of a manufacturer regularly engaged in the fabrication of pressure vessels for at least 15 years.
- B. The filter tank shall be suitable for 50, 75 or 100 psi working pressure, hydrostatically tested to 1.1 times the working pressure and designed with a 4:1 safety factor.
- C. Saddle style bases (2) shall be provided for tank support. Access to the tank shall be provided by a 14" x 18" manhole with two yokes and hardware. Manhole seal shall be complete with one piece ¼" neoprene gasket and positioned so that internal pressure from the filter will augment the seal. The cover shall be equipped with a clear viewing window. Externally mounted bolt-on covers will not be accepted.
- D. Drain out system shall consist of one (1) 3/4" fiberglass coupling mounted to the tank bottom. Each coupling to be fitted with a slotted PVC sand retainer. Air relief connection shall be one (1) 3/4" coupling provided on top of the tank. Bulkhead fittings of any type will not be accepted.
- E. Each filter tank shall be equipped with the necessary flanges and connections for the internal and external piping. Connections shall be comprised of 1" minimum thickness fiberglass flanges with ANSI standard 150 lb. bolt pattern, and located on the top of the tank shell. Connections requiring bolt-thru hardware will not be accepted. Tank end flanged connections will not be accepted.
- F. The resin used shall be a commercial grade, premium corrosion resistant vinylester that has been evaluated in a laminate by test in accordance with ASTM C-581 in service comparable to the intended service and recommended for this service by the manufacturer. Other generic types of resin such as isophthalics or general purpose polyester resins shall not be acceptable.
- G. Ultraviolet absorbers shall be added to the exterior surface for improved exterior resistance.
- H. Chopped strand mat shall be constructed from commercial grade E- type glass strands bonded together using a binder. The strands shall be treated with a sizing that is chemically compatible with the resin system used. Continuous roving shall be a commercial grade of E-type glass fiber with a sizing that is chemically compatible with the resin system used.
- I. The inner surface exposed to the corrosive environment shall be followed with a layer composed of vinylester resin, reinforced only with non-continuous glass fiber strands applied to a minimum thickness of 0.100 inches. The combined thickness of the inner surface and interior layer shall be 0.110 to 0.130 inches and in no case less than 0.100 inches.
- J. The exterior laminate shall consist of filament winding and unilateral construction so as to create a modulus of elasticity to maintain no more than 0.1% strain in any direction.
- K. Resin used in these layers shall be Hetron 922 incorporating a Cobalt/MEKP cure system as recommended by the manufacturer.

FILTER PIPING - INTERNAL

- A. The upper and lower internal distribution system shall be a horizontal header/lateral arrangement. The headers shall be Schedule 80 PVC construction, capped on one end and flanged on the other end. Lateral connections shall be spaced no more than 6" on the centers and shall be 1½" FPT connections.

B. Underdrain laterals shall consist of 1½" Schedule 80 PVC pipe with machined double slotted openings on 1/8" centers. Machined openings shall be designed to retain all media particles as small as .30 mm particle size. Molded or drilled openings or retainer screens will not be acceptable. Each lateral shall be fabricated complete with a socket cap on one end and male adapter on the other. Both fittings to be solvent welded to the slotted pipe. Laterals shall be fitted with a rubber O-ring to allow for proper positioning of the machined openings.

C. Upper laterals shall consist of 1½" Schedule 80 PVC pipe with SCH 80 PVC pipe tees

& 90° elbows. Upper laterals shall be designed and sized at the factory so as to provide uniform distribution and unrestricted flow during filter and backwash cycles. Laterals shall be fitted with a rubber O-ring to allow for proper positioning of the machined openings.

D. All hardware in wetted areas shall be T304L stainless steel or non-metallic.

FACE PIPING

A. External face piping shall be Schedule 80 PVC pipe and fittings. All fittings, including 10" and 12" sizes shall be molded type. Fabricated or fiberglass wrapped fittings will not be acceptable. Flanges shall be located so as to allow for easy dismantling of face piping. All fittings shall be solvent cemented.

B. Piping shall be drilled and tapped where necessary to accommodate gauge tubing connectors.

C. All valves 3" – 12" shall be constructed with cast aluminum ASTM S12A housing and fully coated with Rilsan on all interior and exterior surfaces. Internal components include EPDM resilient lining, Rilsan coated ductile iron disc and T304 stainless steel shaft. Valves 14" and larger shall be constructed with cast iron housing epoxy coated and with nylon coated ductile iron disc. Unless otherwise specified, all nuts and bolts shall be stainless steel with stainless steel washers to be used when secured to PVC flanges.

D. Standard accessory items shall include sight glass rated for 50 psi with polycarbonate glass, remote mounted gauge panel with two 4½" diameter pressure gauges, ¼" petcocks, ¼" poly vent tubing with PVC compression adapters.

E. Face piping shall be fully factory assembled, knocked down and crated for shipment. The warranty of the face piping shall be provided by the filter manufacturer. Field gluing or assembly of the face piping by anyone other than the filter manufacturer will not be accepted.

F. Face piping arrangement shall be as indicated on the drawings.

AUTOMATIC AIR RELIEF VALVE

A. A 1" valve shall be provided to automatically and continuously release air in the filter. The valve shall be fabricated of plastic with Buna-N seals. A plumbing kit shall be provided with two (2) PVC ball valves to allow manual air relief and isolation of the automatic valve. Valves fabricated of cast iron, bronze or stainless steel shall not be acceptable

FILTER SYSTEM PACKAGING

A. All filter piping and valves shall be factory assembled and knocked down into subassemblies for shipment.

B. The components shall be carefully packaged in a totally enclosed wooden crate to prevent damage during transport.

THREE (3)-WAY VALVE CONTROL ASSEMBLY

A. A mechanical linkage shall connect two (2) valves in order to create simultaneous movement. Connecting pieces shall vary with the size of face piping in order to operate with suitable mechanical advantage. All linkage parts shall be T304L stainless steel.

B. Linkage shall be designed so that filter and backwash cycles can be accomplished by repositioning two (2) pairs of valves. Each pair of valves shall be operated with electric actuation.

C. All linkage components shall be grit blasted to a 1-2 mil profile. All linkage components shall be finish coated with 3-4 mils DFT of Type 316 stainless steel paint.

ELECTRIC OPERATORS

A. Electric service shall be 110 VAC. Operator housing shall be corrosion resistant NEMA 4X (IP65). Electrical connectors shall be four-pole industrial style and meet DIN 43650 standards. Plug connection shall be gasketed and mechanically secured with a stainless steel screw. Harness assemblies from operator to control panel shall be factory fabricated. No field wiring shall be required.

B. Drive assembly shall include hardened steel and polyamide reduction gears with permanent lubrication. Operator shall be equipped with a manual override. Operator shall have a visual position indicator.

C. Electric drive motor minimum duty cycle rating to be 35%. Overloading protection shall be self-resetting. Limit switches shall be provided to allow adjustment of cycle. Two additional limit switch contacts shall be provided for indication or auxiliary.

MODEL MFP 4 AUTOMATIC CONTROLLER

A. The automatic controller shall provide total control of the system's filtration and backwash, and provide all necessary equipment interlocks and timing mechanisms to execute the filter program.

B. The controller shall contain at least two microprocessors that will monitor all functions of the system.

C. The controller shall also control the operation of the following functions and by time or pressure differential:

1. Backwash – manual or automatic; with or without security interlock for data logging
2. Heater cool down delay
3. Auxiliary contacts to interlock UV lamps, chemical control, or other equipment
4. 7 inch Hi-Res LCD Screen with Tactile Feedback Membrane
5. Step-by-step animated graphics
6. Last backwash display
7. Remote Operation via browser or phone
8. Off Site Real-Time Status
9. Data logging of process
10. Differential Pressure Monitoring and Bump Control
11. Exporting of process data logs to .csv Excel™ files
12. Modbus Communications for PLC connectivity
13. Nema 4X / IP66 approved / UL Listed
14. Electrical Requirements: 120VAC-1Ø-60Hz, 15amp Circuit Protection (CP)/230VAC-1Ø-50Hz, 10amp CP

FILTER MEDIA

A. Sand shall be a carefully selected grade of hard, uniformly graded silica material. Media shall be naturally rounded particles of silica or milled angularly shaped particles of silica quartz. Sand shall have a particle size between .45mm and .55 mm. (#20). No more than 1.5% shall be allowed to pass through a #40 sieve (.0164"). Uniformity coefficient shall not exceed 1.53. Specific gravity to be not less than 2.5. Filter shall contain a minimum bed depth as shown on the drawings. Systems which do not provide a minimum bed depth, as shown on the drawings, will not be acceptable. Sand shall be delivered and stored in 100 pound bags (approximately one cubic foot) for ease of handling and elimination of possible contamination. Media shall be free from minerals which may precipitate onto pool surfaces.

B. Each filter tank shall be provided with the media quantities as shown on the drawings.

WARRANTIES

A.

1. Filter tanks carry a _____year fully rated warranty as regularly offered by the tank manufacturer.
2. Internal and external face piping carry a fully rated _____ year warranty.
3. Valve bodies carry a _____year fully rated warranty.
4. Valve operators and system accessories including sight glass, pressure gauges and air relief valve _____carry one year warranty as provided by the product manufacturer.

B. Unless otherwise specified, workmanship is to be guaranteed first class and carry a _____year warranty.

Company Name:		
Description	Unit Price	Extended Amount
(4) Fiberglass filters with 6" connections, 34.3 SqFt each, 1,600GPM, 11.7GPM/SqFt, 50PSI		
Face piping 8" X 8 X 6" schedule 80 with ALL Stainless steel fasteners		
3- way electric operated backwash valves		
4.5" panel mounted pressure gauges		
Sight glass assembly		
(1) Automatic backwash programmer, touchscreen, large 7" LCD screen automatically backwashes filters based on time and/or pressure, real time online data logging		
(5) Actuator pre wire, 18ft electric valve operator to programmer		
(4) Automatic air relief valve ¾"		
Piping, plumbing fittings, 8" & 10" butterfly valves, flanges, stainless steel bolt kits, full face gaskets, pipe hangers, threaded rod, pipe supports, glue/primer, large glue daubers, dumpster rental etc. All 10" and larger fittings will be molded for higher pressure ratings		
(336) #20 Grade Pool filter media Sand		
Travel/labor for complete turn-key job		
Vacuum truck and operator rental		
Shipping/Freight		
TOTAL BID AMOUNT	XXX	
# of Calendar Days to Complete:		XXX