



City of Conway – Mayor’s Office
1201 Oak Street
Conway, AR 72032
www.cityofconway.org



Invitation and Bid – 2010-23

INVITATION

TO THE VENDOR ADDRESSED:

Bidders are invited to offer to purchase the items listed herein in accordance with the terms and conditions attached. [Sealed](#) bids must be in the Office of the Mayor not later than [10 am, Tuesday, March 30th, 2010](#) at which time all bids will be opened and read in the Downstairs Conference Room in City Hall. Successful bidders will receive purchase order, if necessary, within 30 days after the City Council approval. *Unsigned bids will be rejected.*

City of Conway – Sanitation Department

BID SPECIFICATIONS

TWO WASTE WATER PUMPS IN THE LEACHATE HOLDING TANK

City of Conway
Sanitation Department
Two Waste Water Pumps/Leachate Holding Tank

THIS IS A BID SPECIFICATION IS FOR TWO WASTE WATER PUMPS IN THE LEACHATE HOLDING TANK

- *BIDDER MAY USE EXISTING PLUMBING AND WIRING THAT IS IN GOOD REPAIR
- *INSPECTION OF EXISTING MATERIALS SHALL BE NECESSARY BEFORE SUBMITTAL OF BID
- *BIDDER SHALL BE RESPONSIBLE FOR INSTALLATION OF PUMPS AND REPLACING ALL FLOATS AND ALTERNATING SWITCHES WHICH WOULD PROTECT PUMPS AND PREVENT OVERFLOW OF HOLDING TANKS
- *THE INSTALLATION OF PUMPS INCLUDING PLUMBING , ELECTRICAL, AND FLOAT PROTECTION, SHALL MEET ALL CITY CODES AND REGULATIONS

Two Leachate Pumps at Leachate Storage Tanks

- The new pumps shall be equal to Model 80/2 ABS Piranha Grinder Pumps capable of delivering 100 GPM against a total head of 130 feet.
- The motor shall be 10.7 HP, 3450 RPM suitable for operating on a 230 volt 3 phase electrical service.
- The pump discharge size shall be 2".
- The new pumps shall be of the centrifugal type with rotating cutter mounted on the pump shaft directly against the impeller. The stationary cutter shall be mounted in an adjustable bottom plate.
- The stationary cutter shall have slots to facilitate better flow. The bottom plate shall be cast with grooves threading outward from the center opening of the plate to the outer diameter.
- The impeller shall be a multi vane centrifugal type. The cutter material shall be similar to an ANSI 440C stainless steel with the addition of a cobalt, vanadium and molybdenum for superior abrasion resistance and a hardness of 58-62 Rockwell C.
- The common pump and motor shaft shall be 420 stainless steel supported by a heavy double row ball bearing an upper sealed single row ball bearing.
- The cutter elements and impeller shall be designed to keep the overhung load distance to a minimum. All fasteners shall be 304 stainless steel.
- Each grinder pump shall be equipped with a tandem double mechanical seal. The oil chamber separates the pump from the motor and provides lubrication for the seals.
- The lower stationary seal face and the rotating seal face are made of silicon carbide while the upper stationary seal is made of carbon and the rotating seal face of tool steel.

- Each stationary seal face shall be sealed with independent springs. The seals shall not require routing maintenance or adjustment and shall not be damaged when the pump is run dry. Seal oil inspection can be achieved without disassembly of the pump. The seal does not require the pumped liquid as lubricant.
- An electronic probe shall be provided in the oil chamber to detect the leakage of water into the oil chamber. A solid state device mounted in the pump control panel shall send a low voltage, low amperage signal to the probe. If water enters the oil chamber the probe will activate a warning light in the control panel.
- The motor shall be of the submersible type rated for 10.7 HP at 3,450 RPM. The motor shall be FM approved for Class I, Division I, Group C & D locations.
- The motor shall be air filled and shall have Class F insulation. Bi-metallic thermal switches shall be embedded in each phase of the winding to sense high temperature. The rating of the switch shall be 140 degrees +/- 5 degrees Celsius. The control circuit shall be connected through the bi-metallic switches so the motor is shut down should a high temperature exist. The switches shall be self-resetting when the motor cools. Power cable shall be rated for exposing proof environment.

CONTROL PANEL AND ELECTRICAL CONDUIT PROVIDED. HOWEVER, BIDDER SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLATION OF PUMPS, NEW FLOATS, AND INSURING THEY WORK TO MEET SAID SPECIFICATIONS LISTED BELOW:

- The control panel for the pump shall be a pedestal mounted panel with a door in door NEMA 3R enclosure. The control panel shall have a master off switch, an off, manual and automatic switch for each pump, run time meters, seal light indicator and high level alarm light.
- Float control switches shall include a start and stop float, and an alternator for automatically switching the pumps from lead to lag pump after each run cycle. The controls shall be set so that both pumps will pump after the water level reaches the lag pump on level.
- An explosion proof junction box shall be provided at the top of the tank for connection of the float wiring to the control panel. A float support bracket shall be provided for supporting the floats away from the tank wall.
- The pump installation shall include a base elbow assembly, lifting chain, and guide rail assembly for removal of the pumps without entering the tank. The guide rail shall be stainless steel.
(May use existing rails, if pumps, rail and base elbow are compatible)
- Valves shall be full ported AWWA Class 150 gate valves or ball valves. Check valves shall be full ported horizontal swing AWWA Class 150. Piping and fittings shall be galvanized steel schedule 40.

City of Conway
Additional Information

The bidder shall include all charges, including taxes, fees, and shipping. (If applicable)

The bidder needs to include an anticipated delivery date. (If applicable)

In submitting this bid, it is understood by the undersigned bidder that the right is reserved by the City of Conway to reject any and all bids:

Contact Information: Cheryl Harrington

cheryl.harrington@cityofconway.org

City of Conway Sanitation Department
(501)450-6155

Bid Specifications can be obtained from our website:

www.cityofconway.org

****Please be sure to mark envelope:
Bid Number - 2010-23
Bid Opening Date:
Tuesday, March 30th, 2010 @ 10:00am**

City of Conway
2010-23 – Two Waste Pumps
Leachate Holding Tank
Bid Opening Date: Tuesday, March 30th, 2010
City Hall - Downstairs Conference Room @ 10:00am

Total Cost of Two Waste Water Pumps / Leachate Holding Tank

\$ _____

Unsigned bids will be rejected:

Authorized Agent Bidding on this project:

Company Name

Company Representative Name

Representative's Signature

Address Email Address

City State Zip

Telephone Number Fax Number

Date

Please feel free to submit additional information on this bid on a separate piece of paper; however this sheet should be included & signed with any bid submitted.



City of Conway – Mayor’s Office
Terms & Conditions
www.cityofconway.org
Important – Read Carefully

By Submission of bid, bidder certifies that he has read all terms and conditions and that bid is submitted in accordance therewith.

1. Prices quoted will be considered to be net prices unless otherwise stated by the bidder. Cash discounts requiring payments in less than 30 days will not be considered in making awards.
2. Prices quoted shall be FOB Conway unless otherwise specifically stated on proposal. In either case, delivery charges must be prepaid.
3. All charges including taxes, shipping, freight, and any miscellaneous taxes shall be included in prices quoted, if applicable.
4. Bidder certifies that he will make delivery of items for which he bids within 10 days after receipt of award – ***unless otherwise specifically stated***. Time of delivery in excess of 10 days may be considered a factor in making awards.
5. In case of default of contractor in making deliveries as per contract, the City may procure the articles or services from other sources and hold the contractor responsible for all excess costs occasioned thereby. Bidder’s record as to satisfactory performance under previous contracts will be considered a factor in making awards and retention on bid lists.
6. The City reserves the right to reject any or all bids, in part or in whole and to waive information in bids received.
7. If not otherwise specified, bidder must furnish brand names with catalog number, if any, on items which are offered as “equal.” In all such cases the burden of establishing equality is upon the bidder and failure to do so within a reasonable time may result in rejection. Alternative bids will not be considered unless no other type bid for the item is received.
8. In the case of equal or tie bids, preference will be given to Arkansas bidders. Other than as stated in the first sentence, awards on tie bids will be made at the discretion of the purchasing official. In such cases, “splitting” will be avoided and awards of previous contract(s) to one or more of the bidders will not be a factor.
9. In the event that bidder is unable to furnish all of an item, bids on portions thereof may be considered.
10. Final inspections and acceptance or rejection will be made after delivery. Items rejected because of non-conformance shall be removed and replaced immediately with those which meet specifications, all at the expense of the contractor. In the event that necessity requires the use of non-conforming items, payment therefore will be made at a proper reduction in price which shall be not greater than contractor’s actual cost by purchase, fabrication, manufacture or other production method plus transportation paid to carriers. All costs in connection with testing items that do not meet specifications shall be paid by contractor.
11. Quality, time of performance, probability of performance, and location of bidder will be factors in awards of all contracts.
12. The City reserves the right to purchase any, all or none of the items listed, in combinations thereof that may be in the best interest of the City of Conway.
13. The City reserves the right to change any specifications, terms and/or conditions at any time, with adequate notice in writing to bid invitees of those changes, if any.
14. The City is qualified for “GSA” pricing schedules, ***if available and applicable***.

15. The City reserves the right to waive any informalities or minor defects, but this shall not be construed to indicate waiver of any specification, term and/or condition unless in the best interest of the City in the judgment of the City.
16. **CONSTRUCTION/INSTALLATION:** Any construction work that is worth \$20,000 or more must comply with Arkansas Code Annotated § 22-9-204.
17. **Arkansas Prevailing Wage Law A.C.A. §22-9-301 through 3-15:** The City of Conway, general contractors or any subcontractors is subject to the Arkansas Prevailing Wage Law, A.C.A. **§22-9-301 through 3-15.** The Labor Standards Division enforces laws related to [prevailing wage](#) (PDF). Arkansas's prevailing wage law is commonly referred to as the "little Davis-Bacon Act." The law requires the division to issue a wage determination for each public works project where the cost of all labor and materials exceeds \$75,000. *Exemptions are public school construction; work done for or by any drainage, improvement, or levee district; highway, road, street or bridge construction and maintenance, or related work contracted for or performed by incorporated towns, cities, counties, or the Arkansas Highway Department.* If you need a copy of the Prevailing wage Regulation and Laws that are required; this information is available at http://www.arkansas.gov/labor/pdf/prevailing_wage_regs.pdf.
18. **PROHIBITED INTEREST CONDITION:** No official of the City authorized on behalf of the City to specify, plan, design, negotiate, make, accept or approve, or take part in specifying, planning, negotiating, making, accepting or approving any construction or material purchase contract or any subcontract in connection with any purchase made by the City of Conway shall become directly or indirectly interested personally in the purchase in the purchase or any part thereof.
19. **EQUAL OPPORTUNITY IN EMPLOYMENT:** All qualified bidders will receive consideration without regard to race, color, religion, sex, age, disability or national origin.