

BID NOTICE

Notice is hereby given that the Clinton Public Works Authority of Clinton, OK is seeking sealed bids for furnishing all necessary equipment, machinery, superintendence, labor, insurance, and other required provisions for:

Clinton Water Treatment Plant Filter Controls Upgrade Clinton, OK

Sealed bids shall be submitted to the Office of the City Clerk, 415 Gary Boulevard, Clinton, Oklahoma, 73601, no later than Tuesday, February 21, 2012, 5:30 P.M. in a sealed envelope marked "**CONTROL PANEL**".

Properly submitted bids will be opened for consideration at a regular meeting of the Clinton Public Works Authority of Clinton, Oklahoma at 5:30 P.M. Tuesday, February 21, 2012 at Clinton City Hall.

All bids shall be firm for 30 days. Bids shall be submitted based upon specifications and contract documents, which may be obtained from the Office of the City Clerk, 415 Gary Boulevard, Clinton, OK. 73601. (580-323-0265)

Bidders shall accompany their bids with a Cashiers or Certified Check issued by a bank satisfactory to the Owner, or a Bid Bond from a reliable Surety in an amount not less than five percent (5%) of the bid submitted as a guaranty that the Bidder will enter into a contract and execute a bond and guaranty within twenty (20) days after Notice of Award of contract to him. Bids without the required check or Bid Bond will not be considered.

The successful bidder must furnish Bonds (Payment and Performance) in the amount of 100% of the total contract price.

The Clinton Public Works Authority reserves the right to reject any and all bids and to accept the bid which best meets the needs of the City.

All bidders are invited to attend the bid opening.

Steve Hewitt
City Manager
City of Clinton, OK.

SPECIFICATIONS FOR CLINTON WATER TREATMENT PLANT FILTER CONTROLS UPGRADE

The filter control system shall be a complete PLC-based control system to automatically control the operation of the four rapid gravity filters. The system will be designed and implemented with switches, displays, etc. needed to manually control the filters when needed. The scope of the work is as follows:

- Furnish and install new stainless steel or composite control console to replace the existing one.
- Furnish and install two Allen-Bradley PLC's with Ethernet capability, one 8" or larger operator interface, input/output cards, power supplies, interconnecting wiring, etc. as needed to convert filter control from current system to PLC-based control system. One PLC will control filters 1 and 2 and the other PLC will control filters 3 and 4 with a single operator interface for all four filters. Two PLC's are for redundancy- if one PLC go down for any reason the other two filters can still run.
- Supply and install all new PVC electrical conduit and wiring to control devices-valve actuators, limit switches, solenoids, etc.- from PLC's to equipment to replace existing corroded conduit and wiring. PLC's to be located in electrical room behind existing plant control board to keep them out of the humid environment in the filter room. All PVC conduit and wiring from PLC to filter room to be included.
- Supply and install all new selector switches, push buttons and indicator lights for filter operation.
- Supply and install new float switches in all four filters for level indication and control.
- Do all PLC programming to implement new control system. Includes working with Operators to define Sequence of Operation, program PLC and operator interface for filter operation and spending enough time with each filter after system is installed to debug and fine tune the control system of all filters.

Bid for Filter Control Upgrades

Base Bid to meet all specifications: \$_____

Provide a line-item cost for the following:

- 1. Valve Limit Switches _____
- 2. Solenoids _____
- 3. Valve Actuators _____

These would be replaced as needed at this line item cost following approval by City staff.

Scope assumes that all existing sensors, control valves, relay wiring, etc. are operating correctly and sensors are calibrated and set up correctly. If any sensor calibration, control valve adjustment or repair/replacement of any existing equipment needs to be done it would be an additional cost.

BIDDER INFORMATION

COMPANY: _____

NAME: _____

ADDRESS: _____

CITY: _____ **STATE** _____ **ZIP** _____

PERSON PREPARING BID: _____

SIGNATURE OF PERSON PREPARING BID: _____