

**City of Mt. Pleasant - Water Department
Chemical Feed Pumps Purchase
BID SPECIFICATIONS**

Definitions:

The following definitions shall apply in this Specification:

Purchaser - The City of Mt. Pleasant, henceforth known as the Owner.

Vendor - The party that supplies the equipment and provides hardware, and related services.

Scope of Project:

The City of Mt. Pleasant treats water using several processes, including disinfection using sodium hypochlorite (NaOCl). The NaOCl pumps are operated using the Water Treatment Plant Supervisory and Data Acquisition (SCADA) system. This project will replace the original four NaOCl feed pumps with four (4) new Vendor-supplied pumps.

Supplied Equipment:

The Vendor shall provide the four (4) peristaltic chemical feed pumps and necessary technical assistance for the installation of the pumps by Owner staff.

Vendor Services:

- A. Provide peristaltic metering tube pumps that meet the following requirements;
1. Flow Capacity 0 – 5.0 gal/hr
 2. Tube and related materials resistant to NaOCl
 3. Meet FDA criteria for food
 4. Enclosure must meet NEMA 4X and IP66 ingress protection rating
 5. Analog input of 4-20mA, for speed control in Auto mode. Signal response must be scalable over any part of the drive speed range
 6. Dry contact closure or TTL input for remote start/stop-functional in both the Auto and Manual modes
 7. Flow Verification Sensor (FVS) input which is designed to stop the pump and provide a contact closure output or relay output in the event the sensor does not detect chemical during the pumping operation
 8. Analog output of 4-20mA. Signal response must be scalable over any part of the drive speed range
 9. Leak detector system shall trigger relay (10 amp) and/or three (1 amp) contact closure outputs to communicate to external devices
 10. Two-year warranty

- B. Provide on-site technical assistance as needed during installation and start-up. Installation will be performed by Owner staff.

Basis of Award:

The Owner reserves the right to accept or reject any or all bids, to waive any irregularities in the bids, and to select the bid(s) considered most advantageous to the City.

Vendor Qualifications:

The following pumps are acceptable:

- 1) Blue-White A3 Series
- 2) Larox LPP-M Series
- 3) Pulsafeeder Chem-Tech XPV Series

Bid Due Date:

February 23, 2010 at 1:30 p.m. Address bids as: "NaOCl Pumps-February 23, 2010," City of Mt. Pleasant, 320 West Broadway Street, Mt. Pleasant, Michigan, 48858.

Date of Award:

March 10, 2010.

Project Start Date:

March 11, 2010.

Assignments:

The Vendor agrees not to assign or transfer this contract or any part thereof without the written consent of the Owner. Any unauthorized assignment may subject the Vendor to immediate termination.

Errors / Omissions / Discrepancies:

Any errors, omissions, or discrepancies in this Specification discovered by the Vendor and/or service provider shall be brought to the attention of Malcolm Fox, Supervisor, Water Treatment Plant, as soon after discovery as possible. Further, the Vendor and/or service provider shall not be allowed to take advantage of errors, omissions, or discrepancies in the Specification.

Default:

Is defined as the failure of the Vendor to fulfill the obligations of the Contract, including but not limited to: failure to deliver on time, or the unauthorized substitution of articles other than those approved through the submittal process; or failure to deliver specified services. If continued abuse or any or all of the above conditions persist, the Owner will notify the Vendor in writing. The Vendor will be given ten days to correct this "Default" condition. Failure to do so within the specified period will result in the Owner canceling the Contract and procuring the articles or services from other sources and hold the Vendor responsible for any excess cost occasioned thereby.

Termination:

The Owner reserves the right to terminate the Agreement with the Vendor for cause, without any liability, upon 10 days notice from the Director of Public Works or his authorized representative, (See Default above).

Indemnification:

The Vendor agrees to defend, indemnify and hold harmless the Owner, its employees and agents from all claims and lawsuits arising out of its performance of this Contract.

Additional Information:

Bidders may contact Malcolm Fox, Water Department Supervisor, at (989) 779-5430 or mfox@mt-pleasant.org for additional or detailed information beyond that contained in this Specification.