



DeKalb County
G E O R G I A

Department of Purchasing &
Contracting
1300 Commerce Drive, 2nd Floor
Decatur, Georgia 30030
Fax: (404) 371-7006

Date: September 19, 2018

Request for Quotation No. 3003645

DeKalb County, Georgia is requesting a quotation for the following:

**Installation and Setup of Basin 9-A Level Monitoring Controller Panel,
Level Status Control Panel, and Submersible Pressure Transducer**

I. Scope of Work:

See Attachment A

II. Payment Terms:

Net 30

III. Attachments:

- A. Scope of Work
- B. Quote Form

IV. Due Date:

Quote submissions are due on or before **5:00 p.m. EST on Friday, September 28, 2018**. Bidder must complete and return the quote form by email to the attention of Sophia Thomas at sdthomas@dekalbcountyga.gov.

All quotes are to be provided on Attachment B, Quote Form.

Thank you for your interest in doing business with DeKalb County.

Sincerely,

A handwritten signature in black ink, appearing to be 'S. Thomas', written over a horizontal line.

Sophia Thomas
Procurement Technician
Department of Purchasing and Contracting

Attachments A and B

Attachment A

SCOPE OF WORK

The purpose of this project is to monitor water level of Aerator Basin 9A to provide a pre-defined water level to enable aerator brushes to operate properly. Both excessive water level and low water level results in damage to the aerator brushes. Visual indication will display water level in feet and inches and give visual indication of basin level status. Water level status will be displayed at the aerator basin and inside the control room. By monitoring water level, the operator will adjust the outflow of wastewater to the circulator basin or EQ tank in order to maintain optimum water level in the aerator basins.

Water level will be monitored using a submersible pressure transducer manufactured by Measurement Specialties designed to be used in waste water applications. The pressure transducer has a stainless-steel body, a Teflon coated diaphragm, stainless steel vent filter and ETFE Teflon jacketed cable.

Two display panels will be installed one at the aerator basin and the other in the control room. Both panels will indicate water level in the basin using a Precision Digital Dual Line LED dual line .6" Level will be displayed in feet/inches, the second display line displays engineering units. A tri-color LED status light will display level status based in input from the pressure transducer. Status will be displayed as: normal (green), red (high) amber (low) water levels. Panel 1 will be mounted outdoors at Aerator Basin 9A and will be a stainless-steel enclosure and rated NEMA 4X. Panel 2 will be mounted in the operator control room and will be thermoplastic rated NEMA 4X. A 4/20 ma instrumentation signal will be connected to the existing PLC panel at the basin and retransmitted to Panel 2 mounted in the Control Room so that level indication and LED light status will exactly follow Panel 1 status.

An electrical contractor will install both panels and coordinate with DeKalb county electrical and I&C personnel for connecting instrumentation wire to the PLC controllers and 110V power sources. Panel meter and LED status lights will be programmed in the field for proper operation. Operational test will be coordinated with Dekalb County WTP operators.

Duration

Panels can be installed and working in one day depending on availability of Dekalb County I&C personnel to coordinate PLC wiring connections.

Attachment B
QUOTE FORM

| | |
|-------------------------------|----------------------|
| Quoter Information: | |
| Company Name: | |
| Company Address: | |
| Quoter Name and Title: | Phone Number: |
| Quoter Email Address: | |

| Item No. | Item Description | Quantity | Total Price |
|---------------------|---|----------|-------------|
| 1. | Precision Digital Panel Meter - Basin 9-A Level Monitoring Level Controller Panel | 1 | \$ |
| 2. | Precision Digital Panel Meter – Level Status Control Panel | 1 | \$ |
| 3. | Measurement Specialties - 750 Submersible Pressure Transducer | 1 | \$ |
| 4. | Installation and Setup | | \$ |
| Total Amount | | | \$ |

| | |
|---|---|
| Quote Statement: | |
| <p>I, the undersigned, certify that this quote is made without prior understanding, agreement or connection with any corporation, firm, or person submitting a quote for the same materials, supplies, equipment, or services, and is in all respect fair and without collusion or fraud. I agree to abide by all conditions of this quote, and certify that I am authorized to sign this quote for the Quoter.</p> | |
| <hr style="border: none; border-top: 1px solid black;"/> Authorized Signature | <hr style="border: none; border-top: 1px solid black;"/> Date |
| <hr style="border: none; border-top: 1px solid black;"/> Name of Authorized Signer (Typed or Printed) | |
| <hr style="border: none; border-top: 1px solid black;"/> Name of Quoter (Typed or Printed) | |