



Fulton County, GA

# Department of Purchasing & Contract Compliance

October 24, 2012

**Re: 12ITB84745K-JAJ  
S128 Game Creek Pump Station Upgrade**

Dear Bidders:

Attached is one (1) copy of Addendum 3, hereby made a part of the above referenced Invitation to Bid.

Except as provided herein, all terms and conditions in the Invitation to Bid referenced above remain unchanged and in full force and effect.

Sincerely,

*James A. Jones*

James A. Jones  
Assistant Purchasing Agent

Winner 2000 - 2009 Achievement of Excellence in  
Procurement Award • National Purchasing Institute



**12ITB84745K-JAJ**  
**S128 Game Creek Pump station Upgrade**  
**Addendum No. 3**  
**Page Two**

This Addendum forms a part of the contract documents and modifies the original Bid documents as noted below:

Question 1: Page 1 of 20 (pdf page 35), Form C, mentions that bidders must hold three licenses and then there are forms that need filled out as part of the bid documents. However, page 5 of 13 (pdf page 17), paragraphs M-O say that the GA utility license is not applicable and Paragraph O Contractors Georgia Professional License only talks about how the subs need that license.

It would make sense that only a Contractors Georgia General Contractors License would be required for a general contractor to bid this project, and not the utility license nor the professional license since that is trade specific.

RESPONSE: Per section 00100 page 9 items M, N, O- The General or Prime Contractor Shall have a Georgia Utility Contractor's License and a General Contractor's License.

The Sub Contractor for a particular trade such as electrical shall have a professional license for the trade performed.

Question 2: Please tell me what the specified specialty coating is for this project?

RESPONSE: The coatings/paint shall be exterior industrial grade paint with a life span of 10 years or more and have anti mildew additive. The paint shall be suitable to cover the material where applied, such as masonry, metal, wood ext. The Owner shall choose the colors.

Question 3: Where may we find information on the well mixer mentioned in the scope of work Section 01 1000?

RESPONSE: Note that the wet well mixer is an Owner Directed Allowance item and the exact system will be determined by the owner at a later date. An example for the wet well mixer is in Exhibit C of the bid documents. Do not include the cost for this in Item 1 of your bid proposal.

Question 4: As we discussed on Friday, I work for Dexter Fortson Associates, Inc., we are the present supplier of the telemetry/SCADA system for the Big Creek WWTP lift stations with Game Creek being one of the sites that DFA equipment is sending information to the DFA HMI at the plant. We have received calls from contractors asking for quotes on the project. In reviewing the specifications I am unsure as to how Dexter Fortson Associates is to be involved in this project. We would be glad to provide any services needed, but we do have questions about the project. If you could refer me to the design personnel to discuss the existing system I would be glad to provide information or services as needed.

RESPONSE: Note that the telemetry system is an Owner Directed Allowance Item. The exact system to be used shall be determined by the Owner at a later date. Do not include the cost of this in Item 1 of your bid proposal.

Question 5: There appears to be a typo in the specs on the horsepower of the Flygt Pump model NT3171.181 LT which calls for 20 hp.

The horsepower should exactly be 25 hp please see attached performance curve that was given to engineer on 11/23/10

RESPONSE: The Flygt Pump Model is an example. Use the example pump model for the NT3171.181LT. The pump motors will be connected to a variable drive frequency so a 25HP pump will be acceptable.

Question 6: I have attached the technical data associated with this pump and a curve for the specified design point. As we are asking for consideration at this stage, there are differences between what we can offer and what the specification lists that I would like to lay out for you.

First, the PE210/6 motor is a 28 HP rated motor, but as you can see in the curve, the pump will run below the specified 20 HP throughout the range. Please note that we do not supply smaller than a 28 HP motor for this size of pumps, hence the motor will pull a higher amperage to start, but this will not be seen on the County's power bill as the pump will draw less than 20 HP when running. Also, note that we are slightly low on the efficiency...the spec calls for 70% while our selection is at 68% efficient. Now, that

said, note that we draw 35A at 460V. ABS pumps include a premium efficient motor, so it is likely that our wire-to-water efficiency will actually be better than our competitors. So, while our hydraulic efficiency may be slightly less, our total (motor + hydraulic) efficiency will likely be a relative improvement. The point that I am making here is that the County will not see any significant difference in power use at the site if the ABS pump is utilized.

Second, a detailed review of the spec. revealed the following exceptions / clarifications that we want to bring to your attention:

Section 4.5.A.4: Spec states metal-to-metal contact. I'm assuming they are referring to the guide rail assembly, although it is not clear.

Section 4.5.D.3: Spec states minimum 1.15 service factor – ABS will have 1.3.

Section 4.5.G.1: Spec states tungsten-carbide mechanical seal faces – ABS will provide silicon-carbide. Note that ABS seals are standard, off the shelf seals while Flygt's seals are proprietary.

Section 4.5.G.2: Spec discusses fluid on seal failures reaching the "stator float switch" – ABS will provide a DI probe.

Section 4.5.J: Spec discusses Flygt's wear rings for use with their channel impeller, but they have specified a N pump so it doesn't really apply here – ABS' CB2 impeller can be equipped with a wear plate (similar to the N impeller design) in duplex SS if required.

Section 4.5.L.3: Spec discusses Float Leakage Sensor – ABS will provide our DI probe.

Section 4.5.L.4: Spec discusses the use of the CAS monitoring unit – ABS will use MOS-1P monitoring relay and socket

RESPONSE: ABS would be considered as an acceptable supplier as long as the minimum requirements are met as mentioned in the ITB and Specifications sections

Question 7: Is ECS and Calgon an approved supplier for the Odor Control system?

RESPONSE: Yes, ECS and Calgon would be considered as an acceptable supplier as long as they meet the minimum requirements as mentioned in the ITB and Specifications Section.

Question 8: The Specs reference a Section 23 1123 Natural Gas Piping in the Index, but there is none in the specs. Also, where is the piping to be installed? Will a plumber be required to pull a separate permit or is the utility contractor's license sufficient?

RESPONSE: Please note that the Generator shall be self-contained **diesel fuel only**. Natural gas is not available on site. No Natural gas line installation is required for this project See section 26-3213 volume II for details.

Question 9: Will a plumber be required to pull a separate permit or is the utility contractor's license sufficient?

RESPONSE: The Contractors Utility License will apply.

Question 10: C-2.0 and C-2.3 refers to 12" FRP Duct and 16" Core while M-1.1 refers to 10" FRP Duct and 14" Core. Please verify which is correct.

RESPONSE: Modify M-1.1 to 12" FRP Duct and 16" Core.

Question 11: My name is Dave Williams and I am with Templeton and Associates Engineering Sales. The purpose of this e-mail is to submit to Fulton County for your consideration PureAir as an equivalent supplier for the odor control system for the above referenced project. Attached is a letter from PureAir requesting approval to bid on this project along with information to support that PureAir can adequately serve this application.

RESPONSE: PureAir would be considered as an acceptable supplier as long as they meet the minimum requirements as mentioned in the ITB and Specifications Section.

Question 12: I would like to request that MTU Onsite Energy be added as an acceptable generator manufacturer on this project. As part of doing so, I would like to answer the most common questions that most people have when introduced to the name "MTU Onsite Energy":

MTU Onsite Energy is a name change for the company that used to be known as Detroit Diesel. Approximately 5 years ago, MTU, a 101 year old engine manufacturer, bought Detroit Diesel in its entirety. The name migrated from Detroit Diesel to MTU-Detroit Diesel, and then to MTU Onsite Energy, which encompasses our other power generation products as well. Our current product line covers the range of 30kW – 2000kW for Natural Gas and 30kW – 3250kW for Diesel generator sets. Our larger engines are built locally in Aiken, SC and our generator sets are assembled in Mankato, MN.

The engine is the heart of the generator set and there are only three (3) major engine manufacturers in the US that also make their own generator sets; MTU, Caterpillar, and Cummins. With the exception of a few very small air cooled "lawnmower" type engines

in the less than 20kW size range, the other generator brands (Kohler and Generac) do not make their own engines.

W.W. Williams (WWW) is the local full line sales and service dealer for MTU Onsite Energy. WWW has sales and service facilities throughout the states of AL, AZ, GA, IN, KY, OH, MI, NV, SC, TN, and Mexico and we are celebrating our 100<sup>th</sup> year anniversary this year. We are the largest MTU Onsite Energy dealer in the country and are committed supporting the long term success of our customers with 7 x 24 parts and service availability. Fulton County is already a major WWW customer via our Detroit Diesel & Allison truck service.

RESPONSE: MTU Onsite Energy would be considered as an acceptable supplier as long as they meet the minimum requirements as mentioned in the ITB and Specifications Section. Note the Generator set shall be fully self-contained and shall run on diesel fuel only.

Question 13: Spec Section 45 4200-101B3 calls for one redundant PLC Control panel in the PS electrical Room. Where is it to be located? How is it going to get power? Drawing E-4, Note 5, calls for a 32 ckt circuit board to be added in the existing SCADA panel. Please clarify.

RESPONSE: PLC- There is room in the existing panel box for the PLC to be installed. The panel box was installed originally but the PLC was not. The contractor shall have a licensed and experienced electrician install the power supply for the PLC units.

SCADA- Note that the SCADA/telemetry system is an Owner Directed Allowance Item. The exact system to be used shall be determined by the Owner at a later date. Do not include the cost of this in Item 1 of your bid proposal.

Question 14: DFA is the current telemetry/SCADA provider for the Fulton County Water Department. I have looked throughout the Game Creek Pump Station project's specifications & cannot locate an Input/Output (I/O) Schedule.

A specific reference to this I/O schedule is in Specifications Section 17200 Control and Information System Software Requirements, also identified on the same page as Section 45 4825, page 1. Please note Part 2 –Products, 2.01 SOFTWARE REQUIREMENTS, paragraph B, and I quote “The Owner’s existing control or telemetry systems shall be modified to include the inputs and outputs specified in the Input/Output Schedule.”

Can you provide a copy of this schedule or indicate the location of the schedule in the specifications? It is critical to me. Without the schedule I can not identify the size of Remote Terminal Unit's physical I/O structure.

RESPONSE: Note that the telemetry system is an Owner Directed Allowance Item. The exact system to be used shall be determined by the Owner at a later date. Installation of the system will be paid for under Owner Directed Allowance. Do not include the cost of the telemetry or SCADA system in Item 1 of your bid proposal.

Question 15: Is the new emergency generator supposed to be natural gas or diesel?  
The specs note diesel, but the drawing note natural gas.

RESPONSE: Please note that the Generator shall be self-contained **diesel fuel only**. Natural gas is not available on site. No Natural gas line installation is required for this project. See section 26-3213 volume II for details. Disregard the drawings section that notes Natural Gas.

ACKNOWLEDGEMENT OF ADDENDUM NO. 3

The undersigned proposer acknowledges receipt of this addendum by returning one (1) copy of this form with the proposal package to the Department of Purchasing & Contract Compliance, Fulton County Public Safety Building, 130 Peachtree Street, Suite 1168, Atlanta, Georgia 30303 by the Bid due date and time **October 29, 2012, 11:00 A.M.**

This is to acknowledge receipt of Addendum No. 3, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Legal Name of Bidder

\_\_\_\_\_  
Signature of Authorized Representative

\_\_\_\_\_  
Title