



# CITY OF HOUSTON

Administration and Regulatory Affairs Department  
Strategic Purchasing Division

**Annise D. Parker**  
Mayor

Calvin D. Wells, Deputy Director  
City Purchasing Agent  
P.O. Box 1562  
Houston, Texas 77251-1562

F. 832.393.8755  
<https://purchasing.houstontx.gov>

February 15, 2010

**Subject:** Letter of Clarification No. 1 to Invitation to Bid No. S12-N23539 for Pumps for the Public Works and Engineering Department

**To:** All Prospective Contractors:

This letter of Clarification is being issued for the following reasons:

- To revise the solicitation document as follows:**

- Electronic Bid Form:**

The electronic bid form, specifically bid item Nos. 7 and 9, has been revised as follows:

### GII-Flygt Corporation Pumps

Item #	Material Description	Description
7	PUMP,SUBMERSIBLE 12",100HP,4000GPM,70T DH	Flygt Corporation, Submersible Pump, Model No. CP-3306, 140HP, 2350 GPM @ 96' TDH, Size: 12".
Manufacturer's Name, Product Name & Product Number:		
9	PUMP,SUBMERSIBLE 12",100HP,4000GPM,70T DH	Flygt Corporation, Submersible Pump, Model No. CP-3306, 110HP, 4000 GPM @ 70' TDH, Size: 12" or City approved equal.
Manufacturer's Name, Product Name & Product Number:		

Due to the aforementioned change(s) to the e-bidding items you may need to edit your bid. To do so, please select the "Bid Number" and proceed accordingly.

- Section B, Scope of Work/Specifications:**

**Part II, Group II-Item Nos. 1 thru 12:**

Remove any reference to "Furnish and Install" from this section.

**Part II, Section 1.02,** delete and replace with the following:

**"Note:** Supply of pumps other than the recommended manufacturer, will require supplier to install and wire their pump protection system (minimum of monitoring and alarming for high temperature, moisture, and bearing temperature) at their expense."

**Part II, Section 1.1, 1.1.11, Group II-Bid Item No. 6:**

Replace: 4" with 2".

**Part II, Section 1.1, 1.1.14, Group II-Bid Item No. 9:**

Replace: 100 Hp with "110 Hp"

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**S12-N23539 – LETTER OF CLARIFICATION NO. 1  
PUMPS FOR THE PUBLIC WORKS AND ENGINEERING DEPARTMENT**

**Group I-Item No. 1, Section 3.5:**

Add the following:

“A pump head mount attached to the trailer shall be supplied for the purpose of securing the pump head to the trailer when not in use and while being transported. Pump suction and discharge pipes shall be flanged.”

**Group I-Item No. 1, Section 3.12, TRAILER:**

Add the following:

Section 3.12.2 SILENCING ENCLOSURE: Pump enclosure installed on the trailer shall reduce sound levels to less than 70 dBA at 30 feet from the pump in all directions. The enclosure’s exterior is to be at least 14 gauge painted sheet metal. The enclosure shall have hinged lockable doors with at least two keys that provide convenient access to operating controls and service locations.

**Group I-Item No. 2, Section 4.13, TRAILER:**

Add the following:

“A pump head mount attached to the trailer shall be supplied for the purpose of securing the pump head to the trailer when not in use and while being transported. Pump suction and discharge pipes shall be flanged.”

**Group I-Item No. 3, Section 5.10, TRAILER:**

Add the following:

“A pump head mount attached to the trailer shall be supplied for the purpose of securing the pump head to the trailer when not in use and while being transported. Pump suction and discharge pipes shall be flanged.”

**Group I-Item No. 4, Section 6.12, TRAILER:**

Add the following:

“A pump head mount attached to the trailer shall be supplied for the purpose of securing the pump head to the trailer when not in use and while being transported. Pump suction and discharge pipes shall be flanged.”

**Group I-Item No. 5, Section 7.4.1:**

Add the following:

“A pump head mount attached to the trailer shall be supplied for the purpose of securing the pump head to the trailer when not in use and while being transported. Pump suction and discharge pipes shall be flanged.”

**Group II Items Nos. 1 thru 11:**

Replace the first sentence with the following: “Furnish non-clog submersible wastewater pumps that are compatible with the existing Flygt Corporation guiderail and discharge system.”

**Group II Item No. 6, Section 13.5:**

Replace 4” with 2”

**Group II Item No. 7:**

Add the following sentence to the end of the first paragraph after the heading: “Furnish non-clog submersible wastewater pumps that are compatible with the existing Flygt Corporation guiderail and discharge system.”

**S12-N23539 – LETTER OF CLARIFICATION NO. 1  
PUMPS FOR THE PUBLIC WORKS AND ENGINEERING DEPARTMENT**

**Group II-Item No. 9, Section 16.0:**

In first paragraph change 100 HP to "**110 HP.**"

**Group II-Item No. 9, Section 16.1:**

Change 7700 to "**7600.**"

**Group II-Item No.12, Heading 19.0:**

Replace 20HP with "**27HP**".

**Group II-Item No.12, Section 19.09 and 19.0.10:**

Combine into one sentence, "Flow capacity shall be 420 gpm or greater at a discharge head of 128 feet."

**Group VII-Item No. 1, Heading 28.0:**

Replace the following sentence, *Furnish vertical solid shaft pump motor...*, with, "Furnish vertical solid shaft pump motor with motor base."

**Group VII-Item No. 1, Section 28.1, U.S. VERTICAL SOLID SHAFT MOTOR, WEATHER PROTECTED – TYPE I SPECIFICATIONS:**

Add the following bullets to the end:

- NEMA Premium motor
- Motor base compatible with existing setup and shall be cast iron or fabricated steel of adequate height to permit access to the coupling and furnished with a shaft guard.

**Group VII-Item No. 1, Section 28.2:**

Replace NEMA Premium with "**U.S. Motors.**"

**Part II, Group II-bid Item Nos. 1 thru 12:**

Remove any reference to "Furnish and Install" from this section.

**Section 13.0, Minority and Women Business Enterprises, Sub-Section 13.2:**

Revise the M/WBE goal from 5% to **0%**.

3. The following questions and City of Houston responses are hereby incorporated and made a part of the Invitation to Bid:

**Question 1:** Group 1 Bid Item No. 1  
Will this pump be Sound Attenuated?

**Response:** Yes.

**Question 2:** Group 1 Bid Item No. 2  
Will this pump be Sound Attenuated?

**Response:** No.

**S12-N23539 – LETTER OF CLARIFICATION NO. 1  
PUMPS FOR THE PUBLIC WORKS AND ENGINEERING DEPARTMENT**

**Question 3:** Group I, Bid Item Nos. 3, 4, & 5  
Are the hydraulic submersible pumps to be mounted on the trailer with the power unit?

**Response:** Yes.

**Question 4:** Group V, Bid Item Nos. 1 thru 3, can you provide the process conditions for these applications to include:

- a. Chemical (Aqueous Ammonia, Ferric Sulfate, and Polymer) viscosity and concentrations?
- b. Feed flow rates (gallons per hour) gph-minimum, normal, maximum?
- c. Back pressure (maximum and minimum?)

**Response:**

- a. Aqua ammonia 19%: minimum = 6 GPH and normal =12 GPH with Maximum = 26 GPH---Backpressure=25 PSI.
- b. Ferric Sulfate 50%: min. = 18 GPH, normal=25GPH, max. = 216 GPH---Backpressure = 60 PSI.
- c. Polymer is 12% SG=1.02: min 20 GPH, normal= 45 GPH, max. = 250 GPH --Backpressure =45 PSI.

**Question 5:** How are the pumps controlled (VFD, SCR, 4-20 mA direct input)? Is the VFD or other controls existing?

**Response:** All pumps are VFD driven and controlled. Yes, the VFD and controls are existing. Any required piping modifications will need to be added to the bidder's quote.

**Note: No further questions will be accepted after the publication of this Letter of Clarification.**

When issued, Letter(s) of Clarification shall automatically become a part of the bid documents and shall supersede any previous specification(s) and/or provision(s) in conflict with the Letter(s) of Clarification. It is the responsibility of the bidders to ensure that it has obtained all such letter(s). By submitting a bid on this project, bidders shall be deemed to have received all Letter(s) of Clarification and to have incorporated them into this solicitation.

Furthermore, it is the responsibility of each Contractor to obtain any previous Letter of Clarification associated with this solicitation.

*Martin L. King*

Martin L. King  
Senior Staff Analyst  
832-393-8705