



# CITY OF HOUSTON

Administration and Regulatory Affairs Department  
Strategic Purchasing Division

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Mayor

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September 1, 2011

Subject: Letter of Clarification No. 1 to Invitation to Bid No. S45-N24040, for Pump, Sewage, Dry Pit and Pump Parts for the Public Works and Engineering Department

To: All Prospective Bidders:

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

- **To revise the Technical Specifications:**

Remove page 1 of 24, and replace with the attached page 1 of 24, marked, **REVISED 9/1//2011**.  
Remove page 2 of 24, and replace with the attached page 2 of 24, marked, **REVISED 9/1//2011**.  
Remove page 8 of 24, and replace with the attached page 8 of 24, marked, **REVISED 9/1//2011**.

**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.

*Sandy Yen*

Sandy Yen  
Senior Buyer  
832-393-8720

Attachment: REVISED, Page 1 of 24, 2 of 24 and 8 of 24

*Partnering to better serve Houston*

Council Members: Brenda Stardig Jarvis Johnson Anne Clutterbuck Wanda Adams Mike Sullivan Al Hoang Oliver Pennington  
Edward Gonzalez James G. Rodriguez Stephen C. Costello Sue Lovell Melissa Noriega C.O. "Brad" Bradford  
Jolanda "Jo" Jones Controller: Ronald C. Green



# CITY OF HOUSTON

## INVITATION TO BID

Issued: August 19, 2011

REVISED 9/1/2011

### Bid Opening:

Sealed bids, in duplicate, will be received by the City Secretary of the City of Houston, in the City Hall Annex, Public Level, 900 Bagby, Houston, Texas 77002, until 10:30 a.m. Thursday, September 8, 2011 and all bids will be opened and publicly read in the City Council Chamber, City Hall Annex, Public Level, 900 Bagby at 11:00 a.m. on that date for the purchase of:

**PUMP, SUBMERSIBLE, SEWAGE, DRY PIT AND PUMP PARTS  
FOR THE PUBLIC WORKS AND ENGINEERING DEPARTMENT  
BID INVITATION No. S45-N24040  
NIGP CODES – 72064 AND 72018**

### Buyer:

Questions regarding this solicitation package should be addressed to **Sandy Yen** at 832-393-8720, or e-mail to sandy.yen@houstontx.gov.

Bidding forms, specifications, and all necessary information should be downloaded from the Internet at http://purchasing.houstontx.gov. By registering and downloading this solicitation document, all updates to this solicitation document will be automatically forwarded via e-mail to all registered bidders. This information may also be obtained from the Supplier Assistance Desk, Strategic Purchasing Division, 901 Bagby, Concourse Level, Houston, Texas 77002.

### Electronic Bidding:

In order to submit a bid for the items associated with this procurement, you must fill in the pricing information on the "PLACE BID" page.

### Pre-Bid Conference:

**There will not be a pre-bid meeting.** Questions concerning the Bid should be submitted in writing to: City of Houston, Strategic Purchasing Division, 901 Bagby, Room B400, Houston, TX 77002, Attn: Sandy Yen or via fax: 832-393-8759 or via email (preferred method) to sandy.yen@houstontx.gov.

The place of the bid opening may be transferred in accordance with Paragraph (b), (5) of Section 15-3 of the Code of Ordinances, Houston, Texas. The bid opening meeting may be rescheduled in accordance with Paragraph (b), (6) of said Section 15-3.

**The City reserves the right to reject any or all bids or to accept any bid or combination of bids deemed advantageous to it.**

City Employees are prohibited from bidding on this solicitation in accordance with the Code of Ordinances, Section 15 - 1.

### \*CONTENTS:

SECTION A: OFFER  
SECTION B: SCOPE OF WORK/SPECIFICATIONS  
SECTION C: GENERAL TERMS & CONDITIONS

**\*NOTE 1: Actual page numbers for each Section may change when the solicitation document is downloaded from the Internet or because of Letters of Clarification. Therefore, Bidders must read the bid document in its entirety and comply with all the requirements set forth therein.**

**\*NOTE 2: To be considered for award, please submit the electronic bid form and the forms listed in Section A, including the official signature page, which must be signed by a company official authorized to bind the company.**

SECTION A  
OFFICIAL BID FORM

REVISED 9/1/2011



FORMAL ONE-TIME BID

**PUMP, ~~SUBMERSIBLE~~, SEWAGE, DRY PIT AND PUMP PARTS  
FOR THE PUBLIC WORKS AND ENGINEERING DEPARTMENT  
BID INVITATION No. S45-N24040  
NIGP CODES – 72064 AND 72018**

To The Honorable Mayor  
and City Council Members  
of the City of Houston, Texas (the "City"):

The undersigned hereby offers to **Furnish and Deliver Pump, Submersible, Sewage, Dry Pit and pump parts for the Public Works and Engineering Department**, Prepaid F.O.B. destination point Houston, Texas, the item(s) listed on the **electronic bid form** and on individual Purchase Orders, in accordance with the price(s) bid and other conditions shown herein, and in accordance with the City's Specifications and General Terms & Conditions and/or samples/drawings provided herein. When issued by the City of Houston, Letters of Clarification shall automatically become part of this bid document and shall supersede any previous specifications or provisions in conflict with Letters of Clarification. It is the responsibility of the bidder to ensure that it has obtained all such letters. By submitting a bid on this project, bidder shall be deemed to have received all Letters of Clarification and to have incorporated them into the bid.

The City may accept this bid offer by issuance of a Notice of Award Letter and/or a Purchase Order at any time on or before the 120th day following the day this Official Bid Form is opened by the City. This offer shall be irrevocable for 120 days after bid opening or for 90 days after City Council awards the bid, whichever comes last, but this period may be extended by written agreement of the parties.

**The City reserves the right to INCREASE quantities during the twelve-month (12) period following the issuance of the first purchase order subject to agreement in writing by the Contractor to honor the same bid price.**

The City reserves the option, after bids are opened, to adjust the quantities listed on the electronic bid form upward or downward, subject to the availability of funds, and/or make award (s) on a line item basis.

PART II  
TECHNICAL SPECIFICATIONS

REVISED 9/1/2011

**1.0 GENERAL:**

- 1.1 The following items are pump, ~~submersible~~ sewage, dry pit and pump parts that will replace existing equipments in the 69th Street Wastewater Treatment Plant at 2525 S. Sgt Macario Garcia Drive, Houston, Texas.
- 1.2 Referenced manufacturer: Flowserve Corporation

**2.0 ITEM NO. 1: Dry Pit Centrifugal Wasting Pump, Reference Manufacturer: Flowserve Corporation, Part Number: 3367-14-MNZ-24 or City-approved equal**

- 2.1. Castings shall be designed for handling raw sewage and shall be of pressure component cast iron, ASTM A48, Class 30 of sufficient thickness to withstand all stresses and strains of service at full operating pressure. Pumps with maximum impellers of 30 inch or larger, capable of 65 psi or greater and hydro test must have integrally cast ribs on the exterior. The casing shall be designed to permit the removal of the rotating assembly without disturbing the suction or discharge connections. A handhole shall be provided in the casing to provide convenient access to the impeller and interior parts of the pumps. The inner contours of the handhole cover shall match the contours of the casing which it fits. The casing shall be provided with tapped and plugged (removable) vent, drain, and gauge connections. Suction and discharge connections shall be 125 lb. ANSI standard flat face flanges.
- 2.1 No Stationary guides will be permitted on either the suction or discharge sides of the casing. Twin or double volute casings for pumps smaller than 20 inch are not acceptable.
- 2.2 Impellers shall be of the same material as the casings. Impeller shall be cast in one piece, shall have a minimum of 2 vanes, and shall be dynamically balanced. The design of the impeller and the shape of the blades shall minimize clogging and still promote efficiency. The impeller shall be keyed to the shaft and firmly held in place by a streamlined Type 316 stainless steel fastener. The arrangement shall be such that the impeller cannot be loosened by torque from either forward or reverse rotation. The impeller bore shall be concentric to avoid requirement for sleeve nuts which could interfere with mechanical seals.
- 2.3 Removable hardened stainless steel wearing rings shall be provided for both the suction and the impeller, with the wearing surfaces normal to the axis of rotation to accommodate the adjustment feature specified further herein. Radial wear rings are not an acceptable alternate. Rings shall be securely fastened to prevent any relative motions and designed for easy replacement. Both wearing rings shall be hardened 400 series stainless steel, with the impeller ring hardened to 200 to 250 Brinell and the casing ring hardened to 300 to 350 Brinell, designed to compensate for a minimum of ¼-in wear.
- 2.4 The backhead shall be of the same material as the casing, with an integrally cast stuffing box. Its construction shall permit the use of either a mechanical seal or packing rings without special machining. A large opening shall be provided adjacent to the stuffing box to facilitate packing or mechanical adjustment and replacement. A renewable throat bushing shall be installed in the bottom of the stuffing box to minimize the amount of clean water injected into the box.
  - 2.4.1 Each pump shall be equipped with a Flowserve model PSS III split seal, or City approved equal.
- 2.5 Provide a suction elbow or nozzle of the same material as the casing with 125lb ANSI flanges. The elbow or nozzle shall have a handhole. The inner contours of the handhole cover shall match the contours of the elbow. The suction elbow or nozzle shall be part of the pump and