



CITY OF HOUSTON
FINANCE DEPARTMENT
Strategic Procurement Division

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Mayor

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May 10, 2016

Subject: Letter of Clarification No. 3: - S63-N25780: Various Types and Sizes of Pumps for the Department of Public Works and Engineering

To: All Prospective Bidders:

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

- Remove the bid document pages 31, 32, 39, 40, 83, 84 and replace with the bid document pages 31, 32, 39, 40, 83, 84, marked **REVISED 05/10/2016**.
- The following information is offered to clarify the various specification line items and/or bid items:
 - 1) Group I, Bid line item 10 - motor shall be 34 horsepower.
 - 2) Group I, Bid line item 14 – 6” discharge size.
 - 3) Group V, Bid line item 32 – Model number revised to reflect VPM-OSC10-4A.
 - 4) Group XII, Bid line item 56 – Corrected bid item description to reflect as on bid document

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 solicitation documents and shall supersede any previous specification(s) and/or provision(s) in conflict with the Letter(s) of Clarification. All revisions, responses, and answers incorporated into the

Letter(s) of Clarification are collaboratively from both the Strategic Procurement Division and the applicable City Department(s). It is the responsibility of the bidder/respondent to ensure that it has obtained all such letter(s). By submitting a bid on this project, bidders/respondents shall be deemed to have received all Letter(s) of Clarification and to have incorporated them into this solicitation and resulting bid.

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

Yesenia Chuca

Yesenia Chuca
Sr. Procurement Specialist
832-393-8727

Council Members: Brenda Stardig Jerry Davis Ellen R. Cohen Dwight A. Boykins Dave Martin Steve Le Greg Travis Karla Cisneros Robert Gallegos
Mike Laster Larry V. Green Mike Knox David W. Robinson Michael Kubosh Amanda K. Edwards Jack Christie
Controller: Chris B. Brown

LINE ITEM NO. 10 - Pump, Submersible, Electric

Make: Flygt

Model: NP-3171 or City Approved Equal

SUMMARY OF REQUIREMENT:

Requirement for providing **Pump, Submersible, Electric**, for the **Northside Satellite Plants**.

GENERAL: The specifications herein state the minimum requirements of the *City of Houston*. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The CITY may consider as "irregular" or "non-responsive", any bid not prepared and submitted in accordance with the bid documents and specification, or any bid lacking sufficient technical literature to enable the *City of Houston* to make a reasonable determination of compliance to the specification. It shall be the bidder's responsibility to carefully examine each item of the specification, failure to offer a completed bid or failure to respond to each section of the technical specification (exception yes or no) will cause the proposal to be rejected without review as "non-responsive". All variances, exceptions, and/or deviations shall be fully described in the appropriate section; deceit in responding to the specification will be cause for rejection.

EQUIVALENT PRODUCT: Bids will be accepted for consideration on any make and model that is equal to or superior to the currently installed equipment, as interpreted by the *City of Houston*. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence, but will require an explanation for each deviation or substitution.

INTERPRETATIONS: In order to be fair to all bidders, no oral interpretations will be given to any bidder as to the meaning of the specifications documents or any part thereof. Every request for each a consideration shall be made in writing to the *City of Houston*. Based upon such inquiry, the *City of Houston* may choose to issue an Addendum in accordance with Local Public Contract Laws.

GENERAL SPECIFICATIONS: The unit shall be the current design requiring no modifications and have a record of being in regular sanitary sewer service for a minimum of five (5) years. The unit offered shall have a full stock of repair/replacement parts at a facility of the pump manufacturer within the CONUS (continental United States). A factory authorized repair facility that will make all factory warranty repairs shall be located within fifty (50) miles of City the Houston City Hall.

Bidders, on request of the *City of Houston*, must be prepared to review their specifications with the *City of Houston* and must, if requested. These services, if needed are considered as part of the bidder's proposal and will be provided without cost or obligation to the *City of Houston*.

PRODUCT/Design Requirements:

The pump specified here will be used to de-water plants and basins. The pump must be able to be installed in dry pit application with no modification and be rated for continuous duty in a completely dry environment.

Pump:

Submersible non-clog wastewater pumps.

Each pump shall be equipped with a 34 HP submersible explosion-proof electric motor, connected for operation on 230 and 460 volts, 3 phase, 60 hertz, 4 wire service, with 50 feet of submersible cable suitable for submersible pump applications.

The power cable shall be sized according to NEC and ICEA standards and also meet with P-MSHA Approval.

The pump shall be capable of operating with existing 6 inch Flygt Corporation discharge connection with no modification or extra cost to the City.

The pump shall be supplied with a drilled flanges and a stand for portable use.

The pump shall be capable of delivering the design condition of 1368 GPM at 64 TDH.

The pump shall operate at the design condition with an efficiency of 79 %.

The pump shall also be able to operate 1900 GPM at 45 feet total head without vibration or cavitations.

Shut off head shall be 115 feet (minimum).

Manufacturers/Vendor Services:

The manufacturer shall furnish the services of a competent factory representative to do the following:

Inspect the system prior to delivery, supervise the City of Houston start up and testing of the system, and certify the system has been properly furnished and is ready for operation.

Instruct the owner's operating personnel in the proper operation and maintenance of the system for a period of not less than one half day.

Provide assistance to questions or follow-up training for the first three (3) months after pump acceptance.

Tools and Spare Parts

The manufacturer shall provide the following to the owner:

At least (4) four copies of the Operations and Maintenance Manual.

Warranty

Unit shall be warranted against defects in materials and workmanship for a period of 18 months from shipment or 12 months from startup whichever is less, and shall cover 100% of parts and labor for the unit. Should the manufacturer's warranty exceed these requirements; the manufacturer's warranty shall be in effect. Warranty work shall be completed without cost to the City. It shall begin within 7 days after notification of the equipment failure or faulty material and shall be completed within a reasonable time frame, but not greater than 90 days. **All freight charges to and from the vendor's repair facility shall be borne by the seller during the warranty period.**

The vendor and/or the manufacturer shall allow the City the option to purchase an extended warranty.

DELIVERY

Entire assembled unit shall be delivered at COH's Cullen Service Center, 7440 Cullen Blvd. Houston, Texas 77051, with sufficient capabilities of delivery vehicle to suitably off-load the assembled unit.

The assembled unit shall be packaged to prevent any damage to the unit during travel and off-loading.

The delivery company must coordinate with the appropriate City of Houston Staff to ensure the unit is off-loaded safely in the appropriate place and manner desired by the City of Houston.

Final Delivery details should also be coordinated with COH contact listed on the purchase order.

LINE ITEM NO. 14 – Pump, Submersible, Electric

Make: Flygt

Model: NP-3202 or City Approved Equal

SUMMARY OF REQUIREMENT:

Requirement for providing **Pump, Submersible, Electric**, for the **Northeast WWTP**.

GENERAL: The specifications herein state the minimum requirements of the *City of Houston*. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The CITY may consider as “irregular” or “non-responsive”, any bid not prepared and submitted in accordance with the bid documents and specification, or any bid lacking sufficient technical literature to enable the *City of Houston* to make a reasonable determination of compliance to the specification. It shall be the bidder’s responsibility to carefully examine each item of the specification, failure to offer a completed bid or failure to respond to each section of the technical specification (exception yes or no) will cause the proposal to be rejected without review as “non-responsive”. All variances, exceptions, and/or deviations shall be fully described in the appropriate section; deceit in responding to the specification will be cause for rejection.

EQUIVALENT PRODUCT: Bids will be accepted for consideration on any make and model that is equal to or superior to the currently installed equipment, as interpreted by the *City of Houston*. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence, but will require an explanation for each deviation or substitution.

INTERPRETATIONS: In order to be fair to all bidders, no oral interpretations will be given to any bidder as to the meaning of the specifications documents or any part thereof. Every request for each a consideration shall be made in writing to the *City of Houston*. Based upon such inquiry, the *City of Houston* may choose to issue an Addendum in accordance with Local Public Contract Laws.

GENERAL SPECIFICATIONS: The unit shall be the current design requiring no modifications and have a record of being in regular sanitary sewer service for a minimum of five (5) years. The unit offered shall have a full stock of repair/replacement parts at a facility of the pump manufacturer within the CONUS (continental United States). A factory authorized repair facility that will make all factory warranty repairs shall be located within fifty (50) miles of City the Houston City Hall.

Bidders, on request of the *City of Houston*, must be prepared to review their specifications with the *City of Houston* and must, if requested. These services, if needed are considered as part of the bidder’s proposal and will be provided without cost or obligation to the *City of Houston*.

PRODUCT/Design Requirements:

The pump specified here will be used to move water from the lift station to the head of the plant. The pump must be able to be installed in dry pit application with no modification and be rated for continuous duty in a completely dry environment.

Pump:

Submersible non-clog wastewater pumps.

Shall be equipped with a 60 HP submersible electric motor, connected for operation on 460 volts, 3 phase, 60 hertz, 4 wire service, with 50 feet of submersible cable suitable for submersible pump applications.

Power cable shall be sized according to NEC and ICEA standards and also meet with P-MSHA Approval.

The pump shall be capable of operating with existing 6 inch discharge connection with no modification or extra cost to the City.

The pump shall be supplied with a drilled flanges for portable or dry pit use.

The pump shall be capable of delivering the design condition of 1423 GPM at 90 TDH.

The pump shall operate at the design condition with an efficiency of 72 % and an NPSHR of 20.

The pump shall also be able to operate 1940 GPM at 70 feet total head without vibration or cavitations.

Shut off head shall be 160 feet (minimum).

Manufacturers/Vendor Services:

The manufacturer shall furnish the services of a competent factory representative to do the following:

Inspect the system prior to delivery, supervise the City of Houston start up and testing of the system, and certify the system has been properly furnished and is ready for operation.

Instruct the owner's operating personnel in the proper operation and maintenance of the system for a period of not less than one half day.

Provide assistance to questions or follow-up training for the first three (3) months after pump acceptance.

Tools and Spare Parts

The manufacturer shall provide the following to the owner:

At least (4) four copies of the Operations and Maintenance Manual.

Warranty

Unit shall be warranted against defects in materials and workmanship for a period of 18 months from shipment or 12 months from start up which ever is less, and shall cover 100% of parts and labor for the unit. Should the manufacturer's warranty exceed these requirements; the manufacturer's warranty shall be in effect. Warranty work shall be completed without cost to the City. It shall begin within 7 days after notification of the equipment failure or faulty material and shall be completed within a reasonable time frame, but not greater than 90 days. **All freight charges to and from the vendor's repair facility shall be borne by the seller during the warranty period.**

The vendor and/or the manufacturer shall allow the City the option to purchase an extended warranty.

DELIVERY

Entire assembled unit shall be delivered at COH's Cullen Service Center, 7440 Cullen Blvd. Houston, Texas 77051, with sufficient capabilities of delivery vehicle to suitably off-load the assembled unit.

The assembled unit shall be packaged to prevent any damage to the unit during travel and off-loading.

The delivery company must coordinate with the appropriate City of Houston Staff to ensure the unit is off-loaded safely in the appropriate place and manner desired by the City of Houston.

Final Delivery details should also be coordinated with COH contact listed on the purchase order.

LINE ITEM NO. 32 - Pump, Vertical Pedestal Mounted Solids Handling Wastewater

Make: Chicago Yeoman

Model: VPM-OSC10-4A or City Approved Equal

SUMMARY OF REQUIREMENT:

Requirement for providing **Pump, Vertical Pedestal Mounted Solids Handling Wastewater**, for the **Upper Braes WWTP**.

GENERAL: The specifications herein state the minimum requirements of the *City of Houston*. All bids must be regular in every respect. Unauthorized conditions, limitations, or provisions shall be cause for rejection. The CITY may consider as "irregular" or "non-responsive", any bid not prepared and submitted in accordance with the bid documents and specification, or any bid lacking sufficient technical literature to enable the *City of Houston* to make a reasonable determination of compliance to the specification. It shall be the bidder's responsibility to carefully examine each item of the specification, failure to offer a completed bid or failure to respond to each section of the technical specification (exception yes or no) will cause the proposal to be rejected without review as "non-responsive". All variances, exceptions, and/or deviations shall be fully described in the appropriate section; deceit in responding to the specification will be cause for rejection.

EQUIVALENT PRODUCT: Bids will be accepted for consideration on any make and model that is equal to or superior to the currently installed equipment, as interpreted by the *City of Houston*. A blanket statement that equipment proposed will meet all requirements will not be sufficient to establish equivalence, but will require an explanation for each deviation or substitution.

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GENERAL SPECIFICATIONS: The unit shall be the current design requiring no modifications and have a record of being in regular sanitary sewer service for a minimum of five (5) years. The unit offered shall have a full stock of repair/replacement parts at a facility of the pump manufacturer within the CONUS (continental United States). A factory authorized repair facility that will make all factory warranty repairs shall be located within fifty (50) miles of City the Houston City Hall.

Bidders, on request of the *City of Houston*, must be prepared to review their specifications with the *City of Houston* and must, if requested. These services, if needed are considered as part of the bidder's proposal and will be provided without cost or obligation to the *City of Houston*.

PRODUCT/Design Requirements:

VERTICAL PEDESTAL MOUNTED SOLIDS HANDLING WASTEWATER PUMP
3125 GPM at 30' TDH - 870 RPM, 15 1/2" IMPELLER DIAMeter
10" DISCHARGE, 10" SUCTION,
480V motor
SEVERE DUTY, CORRO-DUTY
INVERTER RATED
CLASS F INSULATION
870 RPM
120V, 200 WATT SPACE HEATERS

Manufacturers/Vendor Services:

The manufacturer shall furnish the services of a competent factory representative to do the following:

Inspect the system prior to delivery, supervise the City of Houston start up and testing of the system, and certify the system has been properly furnished and is ready for operation.

Instruct the owner's operating personnel in the proper operation and maintenance of the system for a period of not less than one half day.

Provide assistance to questions or follow-up training for the first three (3) months after pump acceptance.

Tools and Spare Parts

The manufacturer shall provide the following to the owner:

At least (4) four copies of the Operations and Maintenance Manual.

Warranty

Unit shall be warranted against defects in materials and workmanship for a period of 18 months from shipment or 12 months from start up which ever is less, and shall cover 100% of parts and labor for the unit. Should the manufacturer's warranty exceed these requirements; the manufacturer's warranty shall be in effect. Warranty work shall be completed without cost to the City. It shall begin within 7 days after notification of the equipment failure or faulty material and shall be completed within a reasonable time frame, but not greater than 90 days. **All freight charges to and from the vendor's repair facility shall be borne by the seller during the warranty period.**

The vendor and/or the manufacturer shall allow the City the option to purchase an extended warranty.

DELIVERY

Entire assembled unit shall be delivered at COH's Cullen Service Center, 7440 Cullen Blvd. Houston, Texas 77051, with sufficient capabilities of delivery vehicle to suitably off-load the assembled unit.

The assembled unit shall be packaged to prevent any damage to the unit during travel and off-loading.

The delivery company must coordinate with the appropriate City of Houston Staff to ensure the unit is off-loaded safely in the appropriate place and manner desired by the City of Houston.

Final Delivery details should also be coordinated with the COH contact listed on the Purchase Order.