

**SAN ANTONIO WATER SYSTEM PURCHASING DEPARTMENT**

Issued By: **D. Anthony Rubin**  
**BID NO.: 18-18091**

Date Issued: **July 5, 2018**

**FORMAL INVITATION FOR BIDS**  
**EARLY PROCUREMENT OF HORIZONTAL SPLIT CASE PUMPS FOR THE**  
**CENTRAL WATER INTEGRATION PIPELINE PROJECT**  
**ADDENDUM 1**

Sealed bids addressed to the Purchasing Director, San Antonio Water System, 2800 US Hwy 281 North, Administration Bldg., 5<sup>th</sup> Floor, San Antonio, TX 78212 will be received until **3:00 p.m. July 13, 2018** and then publicly opened and read aloud for furnishing materials or services as described herein below,

The San Antonio Water System Purchasing Department is willing to assist any bidder(s) in the interpretation of bid provisions or explanation of how bid forms are to be completed. Assistance may be received by visiting the Purchasing Office in the SAWS Main Office, 2800 US Hwy 281 North, San Antonio, TX 78212, or by calling (210) 233-3819.

This invitation includes the following:

- |   |   |
|---|---|
| Invitation for Bids                         | Specifications and General Requirements |
| Terms and Conditions of Invitation for Bids | Price Schedule                          |

The undersigned, by his/her signature, represents that he/she is authorized to bind the Bidder to fully comply with the Specifications and General Requirements for the amount(s) shown on the accompanying bid sheet(s). By signing below, Bidder has read the entire document and agreed to the terms therein.

Signer's Name: \_\_\_\_\_ Firm Name: \_\_\_\_\_  
(Please Print or Type)

Address: \_\_\_\_\_

Signature of Person Authorized to Sign Bid \_\_\_\_\_ City, State, Zip Code: \_\_\_\_\_

Email Address: \_\_\_\_\_ Telephone No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Payment Terms are Net 30.

Please check the following blanks which apply to your company:

Ownership of firm (51% or more):  
 Non-minority  Hispanic  African-American  Other Minority (specify) \_\_\_\_\_  
 Female Owned  Handicapped Owned  Small Business (less than \$1 million annual receipts or 100 employees)  
Indicate Status:  Partnership  Corporation  Sole Proprietorship  Other (specify) \_\_\_\_\_  
Tax Identification Number: \_\_\_\_\_

**To report suspected ethics violations impacting the San Antonio Water System, please call 1-800-687-1918.**

This **Addendum 1** is issued to answer the following questions and issue changes to the bid documents for this procurement. All other terms and conditions of the original bid document remain unchanged.

## **QUESTIONS AND CLARIFICATIONS**

- Q1. Request Section 01300 - Submittals, 01600 - Material and Equipment, 01640 - Manufacturer's Field Services, 01730 - Operation and Maintenance Data, and 01752 - Facility Startup Commissioning Requirements. These are referred to but not shown
- A1. These are included in Appendix A (Division 01 Specifications).
- Q2. Section 11110-9, 2.02, A calls for a minimum 12" suction X 10" discharge. However, sheet D-1401 and D-1402 call for a 20" X 18" pump. Are the spec requirements correct or do the drawings need to be revised?
- A2. The drawings shall to be revised to match the specification. Please comply with specification requirement of 12" x 10".
- Q3. Sheet I-1008 calls for the motor high temp only. No bearing RTDs, ambient air RTDs, nor vibration sensors are shown on sheet I-1008.
- A3. Sheet I-1008 calls out eight (8) RTDs at each motor. The only alarm required to the PLC will be a "MOTOR HIGH TEMP" as shown on I-1008. Vibration sensors will not be required.
- Q4. Page 11, item 3 refers to "early procurement contract schedule" and pre-purchase contract. How is this an early procurement and pre-purchase if the contractor gets to choose which supplier to use and item 6 allows the contractor to pick the pump supplier? These items conflict and should be revised.
- A4. The Bid Proposal for the General Construction Contract will have the manufacturer / supplier of the horizontal split case pumps named. The purpose of this early procurement contract is to select the manufacturer / supplier and secure the price.
- Q5. Section 11110-1, 1.01, A calls for vibration switches and RTDs for the pumps. Section 16151-13, 2.14, B calls for six: two RTDs per phase for the motor windings, two RTDs, one for each motor bearing, and one ambient RTD, adjacent to, or in the inlet air pack, for WP1 and WP2 motors.
- A5. No vibration sensor(s) required; Eight (8) total RTDs are required – 2 per phase winding, 1 per motor bearing.
- Q6. Page 11, item 4 states a delivery date of the supplier to meet the schedule of the CWIP Terminus Treatment Facility however the delivery dates are specified in the document. Please confirm which delivery dates are required.
- A6. The intent of Item 4 of the Standard Requirements is to provide a date range for the supplier's planning purposes. The specific delivery date within the range specified will be set by the General Contractor.
- Q7. Page 11, item 4 refers to liquidated damages for the delivery timeline. However, no liquidated damages (\$ amount) are actually specified for delivery. Please confirm the liquidated damages amount for this bid. The pump/motor mfg. cannot be subject to liquidated damages on items not in our scope
- A7. The intent of Item 4 in reference to liquidated damages is to inform the Horizontal Split Case Pump Supplier that failure to meet the delivery timeline **may** have punitive consequences, but those are at the discretion of the General Contractor and would be subject to any provisions in the general purchase agreement between the General Contractor and the Horizontal Split Case Pump Supplier. To date, the liquidated damage structure to be applied to the General Contractor has not been established. Should the structure be finalized prior to July 13, 2018, an addendum will be issued to provide.

- Q8. Page 12, item 6 states that the General Contractor will need to formalize a Purchase Order with the pump supplier on or about 30 days from October 2018. However, Page 11, item #3 states Purchase Order for submittals only will be estimated at July 16th, 2018. Please confirm which Purchase Order is binding to the delivery times.
- A8. The general purchase agreement (or Purchase Order) between the General Contractor and the Horizontal Split Case Pump Supplier will be binding to the delivery timeline. The July 16<sup>th</sup> purchase order will be for submittals only.
- Q9. Please confirm the quantity of sensors required for the pumps AND motors?
- A9. No vibration sensor(s); Eight (8) total RTDs are required – 2 per phase winding, 1 per motor bearing.
- Q10. Are all questions and answers going to be made public?
- A10. All questions and responses will be posted to the SAWS website for public viewing.
- Q11. Can we verify that the motor voltage will be 4000V?
- A11. Motor voltage will be 4160V
- Q12. Submittals for the level one that have a longer lead time than provided. Highlighted PDF attached for reference.
- A12. Force and moments analysis are to be deleted from this list. Supplier shall include a list of exceptions to any procurement documents that supplier cannot comply to with the bid submittal.
- Q13. Section 11110, 2.17 - please confirm what material is required for the coupling? B - states all metal. Is "steel" coupling material acceptable?
- A13. Steel is acceptable.
- Q14. Section 11110, 2.24, A and 2.17, E, 2, a - allows allowable testing tolerance to be as defined in the Hydraulic Institute Standards, Section 14.5, acceptance grade 1B. I a 1B test really acceptable? Typically, SAWS requires no negative test tolerances on flow or head.
- A14. Testing tolerance shall be 1B as specified. Pump efficiency for the primary condition shall be updated to 83%.
- Q15. Page 13, 10 states that the award will be made to the lowest responsible bidder, whose price has been determined to be fair and reasonable. However, PG 6, 12 refers to the lowest responsible bidder OR to the bidder who provided good and/or service at the best value for SAWS. Is this a lowest bid or a RFP? Given the timeline and specification requirements it would be recommended to have this bid as an RFP. Please confirm the type of bid this is.
- A15. This is an Invitation for Bid that will be awarded to the **lowest responsible bidder**, whose price is determined to be fair and reasonable. Please refer to paragraph 10 of page 13.
- Q16. Page 14, note #1 refers to the On-Site Sodium Hypochlorite Generation System Supplier and General Contractor. Please confirm that the address at 20015 Hardy Oak Blvd. and the type of supplier is incorrect? We believe this should state horizontal split-case centrifugal pump supplier and have a different address.
- A16. Yes, this should state the horizontal split-case centrifugal pump supplier and address is correct as noted above.
- Q17. Page 16, Attachment A refers to the On-Site Sodium Hypochlorite Generation System Supplier and General Contractor in the 2nd paragraph and item (i) and (ii). Please confirm that the type of supplier is incorrect. We would request additional time to extend the bid due to this critical form having to be re-issued by Addendum

- A17. The type of supplier should state the horizontal split-case centrifugal pump supplier. The bid due date shall not be extended.
- Q18. Section 11110, Part 1.04.D.1 – “Certified” drawings are required. Final dimensional drawings will not be available until after order and after receipt of certified motor drawings which can take 6 weeks or more. Can general or typical drawings be provided in lieu of certified drawings?
- A18. If supplier is not able to comply with all bid requirements supplier should include exceptions to procurement documents with the bid if necessary.
- Q19. Natural frequency & torsional analysis. These calculations are normally done only for variable speed units. However, SAWS has indicated these pumps will be at constant speed. Please advise if these calculations are required. ITT Goulds standard design ensures our first critical frequency will always be above 120% of the running speed. Given these are not multi-speed units can a statement to that affect satisfy this requirement?
- A19. Natural frequency analysis & torsional analysis will not be required for factory tests. Natural frequency testing in the field will be required. Specification to be updated to reflect this.
- Q20. Section 1.05.A.19 – References NSF Standard 61. Are the pumps required to be NSF61 certified.
- A20. Yes, provide NSF 61 certification.
- Q21. Section 11110, Part 1.06.H – Casting Quality Assurance/Control – Given the rigorous process involved in becoming and maintaining an NSF61 certification, can said certification be supplied in lieu of section 1.06.H requirements?
- A21. Requirements of Section 1.06. H shall be adhered to.
- Q22. Section 11110, 1.04, D, 3 requires motor data sheets per Section 16151, Part 1.03.C.1-10. Why not 1-24? Items like #12, surge protection information are huge dollar adders to these motors and it should be verified that the mfg. meets this one requirement, for example.
- A22. All motor data should be submitted per requirements of Section 16151.
- Q23. Section 16151, 2.06, A, 6 states that the pump supplier is to supply a limited end float coupling. However, Section 11110, 2.17 does not call for a limited end float option on the coupling. Is the limited end float option on the coupling truly required? Please confirm.
- A23. The limited end float coupling is not required. Coupling shall be as specified in Section 11110.
- Q24. Section 16151, 2.08 calls for TEFC motors but B calls for intake and discharge air outlets. A TEFC motor doesn't have intake and discharge air outlets - intake and discharge air outlets are required on different types of motors (than TEFC). Please confirm the motor enclosure type required?
- A24. Motor enclosure will be TEFC. Requirements for an intake and discharge will be removed.
- Q25. Section 16151, 2.11 calls for surge protection in the motor. Are these really required? They aren't shown on sheet I-1008 so please confirm.
- A25. Surge protection is required.
- Q26. Section 16151, 2.15 calls for manufacturer's standard shop paints for prime and finish coats being acceptable. However, Section 11110, 2.22 calls for a specific paint type and spec. Please confirm which type of painting is required for the pumps, motors, frames, and baseplates?

- A26. Coatings for motor shall be per 16151 Part 2.15, Coatings for pump, frames, and baseplates shall be per Section 11110, Part 2.22.
- Q27. Section 11110, Part 2.03.E Class H insulation – Not all motor manufacturers listed as acceptable are able to quote with Class H insulation and are offering Class F instead. Please verify that Class H insulation will be required.
- A27. Motor insulation will be Class H as specified.
- Q28. Surge Protection - Please verify lightning arresters/surge capacitors are required to be mounted in the motor main terminal boxes.
- A28. Lightning arresters/Surge capacitors are to be mounted in the motor main terminal box as specified.