



CITY OF SUFFOLK

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ADDENDUM NO. 1

City of Suffolk
IFB #19020-JS
June 14, 2019

Purchasing Division
442 W. Washington Street, Room 1086
Suffolk, VA 23434-5237
Phone: (757) 514-7520 / Fax: (757) 514-7524
<http://www.suffolkva.us/739/Purchasing-Division>

The Invitation for Bid (IFB) for IFB 19020-JS for Pump Station # 120 Rehabilitation for the Department of Public Utilities has been amended. The following questions, answers and attachments are hereby made a part of the Contract Documents for IFB 19020-JS as fully and completely as if the same were fully set forth therein:

The following questions and answers are incorporated in the bid:

Q1: ME Drawings: Please provide minimum SCCR of electrical equipment.

A1: Provide all 277/480V panels with a short circuit rating of 42kaic. Contractor shall contact the local power company prior to submitting shop drawings and if the available fault current is less than or more than this amount, then notify the owner in writing and provide the appropriate power equipment. Provide all 120/240V panels with a short circuit rating of 10kaic. Series ratings are not acceptable.

Q2: Dwg ME-1 Arc Flash Hazard Analysis Note: Is an initial report required as part of the Submittal/Shop Drawing review process?

A2: Contractor shall submit arc flash analysis as part of the Submittal/Shop drawing review process. Contractor shall adjust calculations based on final field installation and provide appropriate labeling for gear.

Q3: Dwg ME-2 Electrical Riser Diagram New Work: The riser diagram implies the SPD is connected to the line side of the Main ECB. Is the SPD required to be service entrance rated?

A3: The SPD will be a type 1 which is designed to be installed on line side of service equipment.

Q4: On pump station 120 there is no certified performance test or curve approval before shipment. They only call out a hydrostatic test. Also the engineer calls out no wear rings normally we supply you a 410 BHN on the casing and 350 BHN on the impeller that are made of stainless steel. Lastly they call out for carbon vs. ceramic mechanical seal on the upper seal.

A4: Wear Rings:

- a. Wear rings shall be provided on both the impeller and fronthead so that clearances can be maintained throughout the life of the rings and minimize recirculation.
- b. Impeller wear rings shall be of the axial- or face-type.
- c. Fronthead wear rings shall be of the axial- or face-type.
- d. Wear rings shall be attached to the impeller and fronthead using an interference fit and Loctite.
- e. Wear rings shall be stainless steel. Casing wear ring shall have a BHN of 410-484. Impeller wear ring shall have a BHN of 300-350.
- f. Wear ring clearance adjustment shall be attained through impeller adjustment shims.

Mechanical Seals:

- a. Component material for both the upper seal and lower seals shall include a composite elastomer body, stainless steel clamp and set screws, Buna-N O-ring, silicon carbide rotating face and tungsten carbide stationary face.

Factory Performance Testing:

- a. A certified factory performance test shall be performed on each pumping unit in accordance with Hydraulic Institute Standards, latest edition. Tests shall be sufficient to determine the curves of head, input horsepower, and efficiency relative to capacity from shutoff to 150% of design flow. A minimum of six points, including shutoff, shall be taken for each test. At least one point of the six shall be taken as near as possible to each specified condition.
- b. Results of the performance tests shall be certified and stamped by a Registered Professional Engineer and submitted for approval before final shipment.

Contract Officer:


Jay Smigielski, Purchasing Agent

All other specifications, provisions, terms and conditions of the IFB are unchanged. Bidder shall acknowledge receipt of this Addendum on the Bid Form.

If you have any questions regarding this Addendum, please contact Jay Smigielski, Purchasing Agent at jsmigielski@suffolkva.us