

St. Anthony Airport Fire Pump Replacement – St. Anthony, NL

EC373-222510/A

AMENDMENT # 1

THE FOLLOWING AMENDMENT TO THE TENDER DOCUMENTS IS EFFECTIVE IMMEDIATELY.
THE AMENDMENT SHALL FORM A PART OF THE CONTRACT DOCUMENTS.

ADDENDUM NO. 1

Questions & Answers:

Question # 1: Available fault Current (Bus Bracing Listed @ 42KAIC).

Answer # 1: Minimum Bus Bracing for a MCC is 42KAIC.

Question # 2: Control Section – Who is supplying/installing/wiring the solenoid valves? These are not considered electrical devices in an MCC.

Answer # 2: Management of sub-contractor and internal work not a decision by Departmental Representative. Bidder to ensure all work is covered.

Question # 3: There is a feeder breaker bucket in Section 2C for the Control Section, along with a disconnect in the Control Section. How is this being wired, and what is the reasoning for two disconnects. A single breaker in the Control Section bucket could suffice.

Answer # 3: One is for Solenoid Valves and one is for Controls Section. See Drawing M5, Detail 1 for Controls Wiring Schematic. If contractor has a different proposal solution it can be reviewed during shop drawing review.

Question # 4: On SLD for Pumps P2, & P3 it is showing a circuit breaker feeding the magnetic motor starter. For Pumps P10, & P11 it is showing a circuit breaker feeding a circuit breaker combination starter. What is really needed? Why two means of disconnect on P10 & P11, when only one is required?

Answer #4: Combination starter for pumps P10 and P11 is to be located in the MCC.

Question # 5: Are vertical neutrals required?

Answer # 5: Yes.

Question # 6: No HP's given for any of the pumps.

Answer # 6: 1.2 HP.

Question # 7: Arc Flash. The document states an arc flash study of the buildings entire distribution system. However, in the drawings it appears that they only gave us a single line diagram for their MCC upgrade. We would need more detail on what equipment is upstream of their EDP1 panel. Preferably get their entire existing one-line diagram. Pls provide clarification?

Answer # 7: Arc Flash study only for Existing Pump House. SLD for Maintenance Building can be provided to successful bidder.

Question # 8: For the load study. Doesn't appear to be something we can do. They want the study done, but from the study they want the transformer taps to be adjusted within 2% of rated voltage of equipment. Pls provide clarification?

Answer # 8: All loads are required to obtain best balance of current between phases. A balance report will need to be provided and transformers to be adjusted within 2% of rated voltage of equipment.

Question # 9: The Spec section 21 30 00 is calling for VT Fire Pump, however does not show sump depth (pump length requirement).

Answer # 9: Sump depth is shown on drawings. Refer to drawing M4.

Question # 10: Will the pump be floor-mounted or on pedestal? If on pedestal, we need to know height as well (must be taken into account when determining pump depth).

Answer # 10: Pump intended to mount on existing base.

Question # 11: Also the specifications are asking for the pump to be mounted on common base.... No one can do that when its Vertical Turbine. Only the engine will come with base and everything else has to be field installed (pump, gearbox, alignment, etc.)

Answer # 11: Pump intended to mount on existing base.

Question # 12: Request is also asking us to supply valves, audio & visual 'suction alarm' ... this is like a package system. Are we as a manufacturer/distributor is asked to package the fire pump and everything as a complete skid? this? or supply equipment loose to be installed on site?

Answer # 12: Intent is to field mount individually. Not a package system.

Question # 13: There is no specification or information on the actuators that need to be supplied to control the gates on the project.

Answer # 13: Actuators and slide gate is spec'd on drawing M1.

Question # 14: Need more information of the type, voltage, and size required for the Solenoid valves.

Answer # 14: 120V 25mm solenoid valve.

Question # 15: can we get a requirement for the gate valves and check valves installed on the piping that need to be replaced.

Answer # 15: gate valves and check valves specified in Div 21 and 22.

Question # 16: Is there a type or description of the type of level sensor desired for the project.

Answer # 16: Column type with float for multiple set point or ultrasonic.

Question # 17: The Slide Gates seem to be getting replaced, but we have not idea of the actual size, so we require more details.

Answer # 17: Slide gate is spec'd on drawing M1 and go in existing lines.

BY SUBMISSION OF ITS TENDER, THE TENDERER CONFIRMS THAT IS HAS READ AND UNDERSTANDS THE REQUIREMENTS EXPRESSED IN ALL ADDENDA AND HAS INCLUDED ALL COSTS OF THESE REQUIREMENTS IN THE TOTAL TENDER AMOUNT.

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.
