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V6Z 0B9  
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**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise  
indicated, all other terms and conditions of the Solicitation  
remain the same.

Ce document est par la présente révisé; sauf indication contraire,  
les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**  
Public Works and Government Services Canada - Pacific  
Region  
800 Burrard Street, Room 219  
800, rue Burrard, pièce 219  
Vancouver  
British C  
V6Z 0B9

<b>Title - Sujet</b> Snootli Creek Hatchery Aeration Fac	
<b>Solicitation No. - N° de l'invitation</b> F1700-211944/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> F1700-211944	<b>Date</b> 2021-12-08
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWY-031-9077	
<b>File No. - N° de dossier</b> PWY-1-44133 (031)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Pacific Standard Time PST <b>on - le 2021-12-14</b> Heure Normale du Pacifique HNP	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Leung, Janie	<b>Buyer Id - Id de l'acheteur</b> pwy031
<b>Telephone No. - N° de téléphone</b> (778) 919-3273 ( )	<b>FAX No. - N° de FAX</b> (604) 775-6633
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DFO – Snootli Creek Hatchery – Bella Coola, BC	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

Solicitation No. - N° de l'invitation  
F1700-211944/A

Amd. No. - N° de la modif.  
003

Buyer ID - Id de l'acheteur  
PWY031

Client Ref. No. - N° de réf. du client

File No. - N° du dossier  
PWY-1-44133

CCC No./N° CCC - FMS No./N° VME

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This Amendment 003 is raised to address questions through Addendum #2.

**All other terms and conditions remain unchanged.**

THE FOLLOWING CHANGES/CLARIFICATIONS IN THE TENDER DOCUMENTS ARE EFFECTIVE IMMEDIATELY.

“THIS ADDENDUM WILL FORM PART OF THE CONTRACT DOCUMENTS”

ANSWERS TO QUESTIONS RAISED BY BIDDERS

Q1. Under Section 33 11 16 item 2.1 This mentions flanged fittings over 3” to be C110, this is standard. 2.1 Then mentions compact fittings not permitted. Compact fittings are a C153 and are standard on any push on fittings. C110 is less available and are much heavier and more costly. Can C153 fittings be used on this project rather than C110?

*A1. No.*

Q2. Section 33 11 16 item 2.3 This mentions above ground valves to be ductile iron and below ground to be cast iron. Could the below ground valves be changed to ductile as they are standard and more readily available?

*A2. Yes, ductile iron bodied resilient wedge gate ductile-iron-bodied valves may be used below ground provided that the manufacturer warrants that the valves are suitable for direct-bury below-ground or underground use, that the valves are covered inside and outside with epoxy complying with AWWA C550 and certified to NSF61, and that the valves are compliant with ANSI/AWWA C509, are listed by Underwriters Laboratories ( and ULC ) and are approved by Factory Mutual Research Corporation ( FM approved ).*

Q3. Section 01 51 00 item 1.5 The departmental representative will provide continuous supply of portable water for construction use. Can you please provide the location where water will be provided?

*A3. The Owner will provide access to potable water within 5 m of the construction location.*

Q4. Is there construction power available for the contractors use? If so could you please provide the hookup location?

*A4. The Owner will provide a construction power connection within 5 m of the construction location.*

Q5. Is a site survey required as per Section 01 71 00 or can the building be laid out from existing structures and agreed upon by the owner?

*A5. A site survey is not required. However, special care and survey effort will be required to establish the temporary benchmarks for elevation control for the components of the Aeration Facility. Otherwise, yes, the aeration facility position can be laid out, with agreement by the Owner, based referencing existing features and buildings.*

Q6. Section 03 30 00 Cast-in-place concrete has a very stringent concrete spec. Due to the location it will not be possible to meet the CSA and ASTM requirements for the concrete without bringing a fully certified batch plant to site at a cost of \$500k to \$750k to the contract. Can this specification be relaxed to only having the contractor meet the mix design?

A6. *Yes. Concrete produced in accordance with the requirements described in Note G.1. on Drawing -S-003 will be accepted.*

Q7. Due to the remote nature of this project can the requirements in section 03 35 05 for the floor hardener be removed?

A7. *No.*

Q8. Regarding addendum #1 Q&A 3. Drawing C-006 calls for a stainless steel stiffener ring, addendum #1 refers to a carbon steel stiffener ring. It is my understanding from the drawings and note 10 on drawing C-005 that the overflow piping is to be ductile iron with a 356x254 flange x flange concentric reducer. Steel and stainless steel cannot be welded to ductile iron flanged reducer. Can you clarify and provide a detail of what is to be installed here?

A8. *Clarifying, the overflow piping that will extend from the flange connection underneath the reservoir upward through the reservoir bottom slab to the top water level within the reservoir shall be carbon steel ( A106 ), not ductile iron and not stainless steel. This carbon steel pipe and expander, with its carbon steel stiffener ring at the top, shall be shop fabricated, and shall be lined and coated with polyurethane, per Note 13 on Drawing -C-005 .*

*This pre-fabricated segment of piping shall have a flange connection at the bottom, to enable an ordinary flange connection to the overflow piping that will extend downward from underneath the reservoir.*

*By contrast, the five reducers that will be embedded within bottom slab of the reservoir shall be ductile iron. These five cement-mortar-lined reducers shall not extend above the surface of the bottom slab of the reservoir.*

*Recapping, the one overflow pipe component that will extend up into the reservoir shall be lined and coated carbon steel from flange connection at the bottom to the stiffener ring at the top. The five reducers that will be embedded in the reservoir bottom slab shall be cement-mortar-lined ductile iron.*

Q9. Do you have a manufacturer that you have used in the past or based the design around for the Aeration distributor tray and aerator distributor outlet flow control units that you can provide? If this cannot be provided can please provide the material thickness and reinforcement spacing?

A9. *For consideration by bidders, firms that can produce the distributor tray include Allanco International Environmental Products Inc. in Delta ( contact Bernie ) and Fabco Plastics in Surrey ( contact Wes Stewart ). Other firms for consideration by bidders are Galaxy Plastics Ltd. in Abbotsford and Independent Shipwrights Ltd in Coombs, BC ( key contact Roy Brown ).*

Q10. What are the aeration pots being supplied and installed by the Snootli Creek Hatchery as per Section 01 11 00 item 1.2.1.2.5?

A10. *Not relevant. The supply and installation of the aeration pots is the responsibility of the Owner.*

Q11. How will the commissioning and demonstration and testing spec be met with no pipework connected?

A11. *The contractor shall supply and install temporary caps, with 19 mm diameter or 25 mm diameter test points, to enable pipelines to be filled, pressurized ( using, say, a small hand pump ) and pressure-tested.*

Q12. Has the structural design included the extra loads in their design with adding the cladding?

*A12. Yes.*

Q13. There does not appear to be any structural steel to mount the louvers to in the top of the tower. Can you please clarify how they are to be supported?

*A13. Determine the required structural steel framing support required for the louvers as part of the cladding design work. The louver-supporting steel framing shall be fastened to the main W200x21 columns and to the main W200x31 beams. This support may, but not necessarily shall, utilize girts and sag rods that have been designed to take the louver loads and area requirements into account.*

*Please see Section K.4. on Dwg -S-004 for cladding notes. The contractor shall design the cladding system, including all structural steel that is needed to support the cladding, including the louvers. Design the girts to be connected to the main W200x31 columns and to be further supported by sag rods hanging from the main W200x31 beams. Use a similar concept for the design of the roof cladding system and its associated structural steel, such as purlins and sag rods.*

Q14. Is pressure treated wood acceptable for the cladding backing?

*A14. No.*

Q15. In regards to section 01 78 00 1.5.8.2 (closeout submittals). Please confirm who will provide the engineer of record for this project, DFO or the Proponent?

*A15. John Karlsson, P.Eng., Civil Engineer with Ausenco Engineering Canada Inc., who are the engineering consultants for Fisheries and Oceans Canada on this project, is the Engineer of Record.*

End of Addendum No. 3