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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
All enquiries are to be submitted in writing to the Contracting Authority, Crystal Bysterveldt, either by facsimile or by e-mail at: crystal.bysterveldt@pwgsc.gc.ca.

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
The Cambridge Building
3 Queen Street/3 rue, Queen
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Prince Ed
C1A 4A2

Title - Sujet Greenhouse Expansion, Harrington PE	
Solicitation No. - N° de l'invitation ED001-162184/A	**Amendment No. - N° modif.** 007
Client Reference No. - N° de référence du client R.072545.001	**Date** 2016-02-09
GETS Reference No. - N° de référence de SEAG PW-$PWC-024-3792	
File No. - N° de dossier PWC-5-38187 (024)	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2016-02-11**	**Time Zone** **Fuseau horaire** Atlantic Standard Time AST
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Bysterveldt, Crystal	**Buyer Id - Id de l'acheteur** pwc024
Telephone No. - N° de téléphone (902) 940-7122 ( )	**FAX No. - N° de FAX** (902) 566-7514
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:**	

Instructions: See Herein

Instructions: Voir aux présentes

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

Canada

THE FOLLOWING CHANGES IN THE TENDER DOCUMENTS ARE EFFECTIVE IMMEDIATELY. THIS ADDENDUM WILL FORM PART OF THE CONTRACT DOCUMENTS.

THIS ADDENDUM IS RAISED TO PROVIDE THE FOLLOWING ANSWERS TO QUESTIONS PROVIDED BY BIDDERS.

CLARIFICATIONS – SPECFICATION/DRAWINGS

1	**QUESTION:** The air inlets shown in GH-14 list screen material as LS Econet, Athough spec 23 13 01 paragraph 2.1.6.5 says screen to be 40 x 45 um screen cloth. This size of LS Econet cloth is not available from the manufacturer. Are other opening sizes and/or types of woven cloth (e.g. woven aluminum or S.Stl wire cloth acceptable? What is maximum allowable pressure drop across screen material at a given flow velocity (e.g. 500 fpm, etc)? **ANSWER:** Screening to be as follows: Air Inlet Modules - Drawing GH-14, Detail 6: Opening Size 0.15mm x 0.15mm. Bug Screens: Drawings GH-04, Keyed Note 32 and GH-15, Detail 3, Keyed Note 15: Opening Size 0.15mm x 0.35mm. Ridge/Roof Vents: Drawing GH-02, GH-03, GH-04 and GH-05: Opening Size 0.27mm x 0.77mm. Positive Pressure Fan: Drawings GH-03, and GH04: Opening Size 0.15mm x 0.15mm. Negative Pressure Fan: Drawing GH-01, Note, See the change to this Note as outlined below in the first Site Meeting comment; Drawing GH 03 Keyed Note 17; and Drawing GH-13, Keyed Note 4: Opening Size 0.15mm x 0.15mm. Air Transfer Louver/Dampers: Drawing GH-05, Keyed Note 13: No screening required.
2	**QUESTION:** Evaporative Coolers (spec 13 34 13, paragraph 2.12) are listed as 2-speed and 203/60/3 implying minimum 6 wire + ground for power connection and requiring an 8 pole disconnect. Drawing GHE-02 only lists the coolers as requiring 3 wire + ground and 3 pole disconnect, in conflict with aforementioned spec. **ANSWER:** Drawing GHE-02: **Delete**: Keyed Note EC and **Replace with**: " EVAPORATIVE COOLER UNIT - 6#12 + GROUND + 6 POLE DISCONNECT SWITCH (FAN) + 2#12 + GROUND + 2 POLE DISCONNECT SWITCH (PUMP).
3	**QUESTION:** Unit Heaters (spec 13 34 13 paragraph 2.1.1.7) do not have any performance data (e.g. Thermal Heat Capacity Output, Entering Water conditions including temperature and water flow and maximum fan rpm nor maximum allowable motor horsepower). Spec says "Make and model to match existing"; does this imply no equivalents are acceptable?

	ANSWER: See Addendum 6 Question/Answer 1.
4	**QUESTION:** Positive Pressure Fans - these are not described in any section of the specification. **ANSWER:** See Addendum 6 Question/Answer 6.
5	**QUESTION:** Negative Pressure Fans - these are not described in any section of the specification. **ANSWER:** See GH-01 and the change to the Note as outlined below in the first Site Meeting comment.
6	**QUESTION:** Transfer Louvers / Damper (shown GH-05) - these are not described in any section of the specification. **ANSWER:** Specification Section 13 34 13; **Add**: new Paragraph 2.18 "Air Transfer Louvers (transfer damper at corridor walls): 1. Provide motorized louvers, size and location shown on drawings: anodized aluminum insulated damper and frame with blade perimeter gaskets EPDM elastomer, maximum air leakage 21 l/s/m2, against 1 kPa differential static pressure. 2. Dampers are to be made to size required without blanking off free area. 3. Parallel blade operation. 4. Actuator: 24VAC , with lever linkage and mounting plate to adapt to motorized damper, floating point design."
7	**QUESTION:** Bug Screens (shown GH-15) - these are not described in any section of the specification. What is specification of louver, of bug screen material (i.e. its maximum opening size, minimum exposed area, maximum allowable pressure drop characteristic)? **ANSWER:** See Answer to Question (1) above.

Pre-Tender Site Meeting Follow-up Comments Feb 2, 2016

Negative Pressure Fan:

- Drawing GH-01;

Delete: "Note: THE EXISTING NEGATIVE PRESSURE FAN & DAMPER LOCATED ABOVE DOOR 131 IS REQUIRED TO BE RELOCATED TO THE EXISTING GREENHOUSE NORTH ELEVATION, PROVIDE ALUM. GLAZING BARS WITH 25MM SEALED UNIT TO MATCH EXISTING TO CLOSE THE FAN OPENING".
Replace with: "Note: The existing negative pressure fan and damper located above door 131 is required to be relocated to the new greenhouse south gable end wall on Grid I''. Refer to Drawing GH-03, Detail 2, Keyed Note 17. Supply and install new motorized damper and pleated screen module in the location of the existing negative pressure fan above door 131."

Evaporative Coolers:

- Specification Section 13 34 13;

  Add: new Paragraph 2.12.22: "Medium replacement to be performed by removing the left or right top panel and removing and reinstalling the medium through the appropriate top panel."

- Specification Section 13 34 13,

  Add: new Paragraph 2.12.23: "Supply and install backdraft dampers in cooler outlets or in vertical duct sections between the top of the cooler and the underside of the greenhouse corridor floor. Backdraft damper: extruded aluminum construction, rated for velocities up to 10.2m/s and back pressures up to 0.6kPa, flange to duct, vertical mounting position, including counter-balance weights, to achieve a start-open pressure not to exceed 4Pa."

- Drawing GH-04:

  Add Keyed Note 33: "Backdraft damper in vertical duct section or on fan outlet."

- Drawing GH-15: Detail 3;

  Delete: Keyed Note 14 - ALUM. LOUVER 511x566MM.