



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada
800 Burrard Street, Room 219
800, rue Burrard, pièce 219
Vancouver
British Columbia
V6Z 0B9
Bid Fax: (604) 775-9381

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

Title - Sujet Mechanical & Electrical Sys Upgrade	
Solicitation No. - N° de l'invitation EZ899-161426/A	Amendment No. - N° modif. 008
Client Reference No. - N° de référence du client	Date 2015-12-11
GETS Reference No. - N° de référence de SEAG PW-\$PWY-032-7656	
File No. - N° de dossier PWY-5-38257 (032)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-12-17	Time Zone Fuseau horaire Pacific Standard Time PST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Large, Kathy(pwy)	Buyer Id - Id de l'acheteur pwy032
Telephone No. - N° de téléphone (604) 666-2891 ()	FAX No. - N° de FAX (604) 775-6633
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: AAFC - Pacific Agri-Food Research Centre - Summerland, BC	

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

Solicitation No. - N° de l'invitation

EZ899-161426/A

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

Amd. No. - N° de la modif.

008

File No. - N° du dossier

Buyer ID - Id de l'acheteur

pw032

CCC No./N° CCC - FMS No./N° VME

Les documents français seront disponibles sur demande.

This Addendum is raised to incorporate the BidCentral Online Bidding for Subcontractors (BOBS) Pre-Bid Interpretations 4 and 5 and to respond to questions from bidders.

All other terms and conditions remain unchanged.



British
Columbia
Construction
Association

British Columbia Construction Association
BidCentral Online Bidding for Subcontractors
401 – 655 Tyee Road Victoria, BC V9A 6X5
P: (250) 475-1077 F: (250) 475-1078
E: warrenp@bccassn.com
W: www.bccassn.com or www.bidcentral.ca

PRE-BID INTERPRETATION No. 4

Date: December 3, 2015
To: All Plan Holders
Project: Pacific Agri-Food Research Centre
Mechanical and Electrical Systems Upgrade Project
Summerland, BC

Bid Calling Authority: Public Works and Government Services Canada

As allowed under Rule 1. F. Pre-Bid Interpretations, we are hereby issuing the following clarification to all plan holders. Unless defined herein the Standard Exclusions will apply; *General Contractors are responsible to include all work that may be excluded from a BidCentral Online Bidding for Subcontractor's (BOBS) Bid as they deem necessary.* This document does not imply a requirement to include work not specified:

1. Closing Date, Time and Location

Amended: The BidCentral Online Bidding for Subcontractors (BOBS) closing will be up to 3:00 PM local time on December 15, 2015. For information refer to the BidCentral website at www.bidcentral.ca/bobs

2. All Bidders

Please note that as per Pre-Bid Interpretation No. 1 scope of work matters relating the extent to which work specified in the Project Documents is included or excluded in the Trade Contractor's Bid are to be referred to the BOBS administrator. If we determine a clarification is required we will issue a Pre-Bid Interpretation.

3. Electrical

The BOBS Rules of Procedure, Appendix A Standard Exclusions take precedence over the addendum for Electrical as follows:

- a. Addendum No. 2 reference to Electrical Addendum, Page 2 of 3, Q&A #1: Precast concrete light pole bases are an Appendix A, Standard Exclusion. General Contractors shall include for this work as they deem necessary.

END

BidCentral Online Bidding for Subcontractors per;

Warren E. Perks, Administrator

All Plan Holders should insure that copies of this Pre-Bid Interpretation are forwarded to all those to whom they have issued copies of the project documents.



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PRE-BID INTERPRETATION No. 5

Date: December 11, 2015
To: All Plan Holders
Project: Pacific Agri-Food Research Centre
Mechanical and Electrical Systems Upgrade Project
Summerland, BC

Bid Calling Authority: Public Works and Government Services Canada

As allowed under Rule 1. F. Pre-Bid Interpretations, we are hereby issuing the following clarification to all plan holders. Unless defined herein the Standard Exclusions will apply; *General Contractors are responsible to include all work that may be excluded from a BidCentral Online Bidding for Subcontractor's (BOBS) Bid as they deem necessary.* This document does not imply a requirement to include work not specified:

1. Mechanical

Clarification: This Bid also includes the exterior condenser water lines shown on the Civil Drawings and specified in Mechanical. Appendix A Standard Exclusions shall apply to this work.

As a reminder this Bid excludes the 'outside service piping' (as defined). General Contractors shall include for this work as they deem necessary.

END

BidCentral Online Bidding for Subcontractors per;

Warren E. Perks, Administrator

<p>All Plan Holders should insure that copies of this Pre-Bid Interpretation are forwarded to all those to whom they have issued copies of the project documents.</p>
--

This addendum varies the Contract Documents and will form part of the Contract Documents and is to be read, interpreted and coordinated with all other parts, including General and Supplementary General Conditions of the Contract and all Sections in Division 1. The cost of all work contained herein is to be included in the Contract Sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above named project to the extent referenced and shall become a part thereof.

GENERAL

This addendum is issued prior to receipt of Bids to provide for certain revisions to and clarification to the Contract Documents.

The work required by this Addendum shall be executed in accordance with the requirements of the Contract and Contract Documents.

Include in the Stipulated Price, the cost of all work described in this Addendum.

ARCHITECTURAL ADDENDUM

Refer to enclosed for Architectural Addendum No. 3 (4 Pages)

MECHANICAL ADDENDUM

Refer to enclosed for Mechanical Addendum No. 3 (2 Pages)

ELECTRICAL ADDENDUM

Refer to enclosed for Electrical Addendum No. 3 (2 Pages)

QUESTIONS AND ANSWERS

Q1: Where is the pesticide storage area (secondary staging area).

A1: Pesticide Storage Area is a separate building to the West of the main building. The secondary staging area, if and when required, shall be coordinated with the Departmental Representative; ensure cooperation and coordination with occupant's needs for access and space as well as other projects in progress on-site.

Q2: Even after addendum 6 addressed the Site Security issue, we are still getting several questions from trades and we have our own concerns about how to put a proper allowance to it. At this point, it is impossible to know how many hours to allow for Site Security. It depends on who the successful Mechanical and Electrical trades are and how they plan to perform the work, how the actual work progress once it starts and how to work around the needs of the staff on Site so as not to impact their day to day (eg after hours work may be req'd). In an effort to minimize the risk to the contractors and also provide the best value to the Owner will you consider issuing a Cash Allowance for Site Security so as to put all bidders on an even playing field?

A2: As specified, Contractor shall carry, and be accountable for, the cost related to Site Security. Contractor shall identify the amount carried for Commissionaire Services in the Contract Cost Breakdown.

Q3: Is Course of Construction Insurance by Owner

A3: As specified, all insurance coverage shall be carried by the Contractor.

Q4: We have assumed any Utility Connection Charges such Telus, Shaw, Fortis, etc, etc will be by Owner if they are required. Please confirm;

A4: As specified, all trade permits and fees, as well as permits and fees for utility connections shall be carried by the Contractor. Note: all connections are within the complex – no new connections to utilities are expected.

Q5: Is this project a LEED project or require LEED documentation?

A5: The project will not apply formally for LEED (formal LEED documentation, outside the specified documentation, will not be required). Note that the project will follow sustainable design and construction practices, environmental control and protection and good construction practices.

Q6: in this last addendum it references steel frame at the overhead door. Is there a drawing or is this just a written instruction as it is listed under the drawing section. (See attached).

A6: The steel channel is needed around the overhead door opening and acts like a door frame for the O/H door tracks to secure to. Structural drawing/detail for this channel is not provided, a note (in wording) is added on the drawing. Refer to architectural drawings for additional info.

Q7: There is a reference to a concrete pilaster under the HSS pipe rack. There is no detail of what is required and does not correspond to the structural detail. Can you please confirm what is required?

A7: No pilaster required as per structural drawings.

End of Addendum

**The following changes/clarifications in the tender documents are effective immediately.
This addendum will form part of the contract documents.**

Special Instructions to Bidders

1.0 QUESTIONS

- 1.1 In the spec it calls for a Multi-Leaf Vertical Door, which will not be possible due to the headroom, we don't typically see these doors very often as they are quite expensive and used in mines etc...

Do you want to get the spec changed or do you want me to quote an alternate to spec?

Response: Refer to items 2.4 & 2.5 Specification of Addendum No. 3

- 1.2 Specification 042200, 2.1.1.4.1 calls for Integrally coloured Ground Face CMU with factory applied acrylic finish after polishing.

The exterior side of the block walls are to be clad with metal panels, covering up this very expensive block. Please confirm CMU is to be as specified.

Response: Refer to item 2.1 Specification of Addendum No. 3

- 1.3 I've come up empty handed on finding the fence 'fabric' that the gov't is after for this 7'ft fence. It's calling for galvanized grid 12.7mm x 76mm 10.5ga wire wall in the specs. Could we get more clarification on the mesh they are specifying such as the manufacturer?

Response: Refer to item 2.6 Specification of Addendum No. 3

- 1.4 We require clarification on the Z girt in behind the Standing seam metal wall panels and below the standing seam roof panels

Specification Section 07 42 13 Metal Wall Panels 2.1 .8 states Z girt is to be stainless steel. Is this the intent in lieu of traditional galvanized? If so what gauge?

Response: Refer to item 2.2 Specification of Addendum No. 3

Specification Section 07 61 13 Standing Seam Metal Roofing 2.2 .6 Z Girt material is not identified in material or gauge, please clarify

Response: Refer to item 2.3 Specification of Addendum No. 3

2.0 SPECIFICATION

2.1 Refer to Specification Section 04 22 00, Concrete Unit Masonry, 2.1 Materials

Delete:

.4 Colour:

- .1 Integrally coloured pre-finished architectural concrete block with one or more faces ground to expose variegated colours of natural aggregates; with factory-applied clear satin gloss acrylic finish.
- .2 Unit faces filled with cementitious grout, polished with factory applied clear satin gloss acrylic finish.

Add:

.4 Colour:

- .1 Natural Grey single tone. Texture to be smooth finish.

2.2 Refer to Specification Section 07 42 13, Metal Wall Panels, 2.1 Materials

Delete:

- .8 Z-Girt: Stainless steel, Thermally broken, adjustable with PVC spacers, composed of inner short sections of angle and a continuous angle to the outside, tie together with a screw fastener.

Add:

- .8 Z-Girt: Hot-Dipped Galvanized Steel having Z180 zinc coating to ASTM 525, thermally broken, adjustable with PVC spacers, composed of inner short section of minimum 12ga angle and a continuous minimum 18ga angle to the outside, tie together with a screw fastener.

2.3 Refer to Specification Section 07 61 13, Standing Seam Sheet Metal Roofing, 2.2

Accessories

Delete:

- .6 Z-Girt: Thermally broken, adjustable with PVC spacers, composed of inner short sections of angle and a continuous angle to the outside, tie together with a screw fastener.

Add:

- .6 Z-Girt: Minimum 18 ga Hot-Dipped Galvanized Steel having Z180 zinc coating to ASTM 525.

2.4 Refer to Specification Section 08 36 19, Multi-Leaf Vertical Doors, 2.1 Materials

Delete:

.4 Weatherstripping: Neoprene bulb weatherstrip with continuous retainer full width of bottom of door. Steel/ vinyl jamb and head seals on standard lift doors.

.5 Finish: Two coat, baked-on paint system on exterior side, primer and polyester finish coat, Color – to match ICI Paint 70 BG 10/214 A1358 Soft Azure.

Add:

.4 Weatherstripping: Steel/ vinyl jamb and head seals on standard lift doors. Neoprene bulb weatherstrip with continuous retainer full width of bottom of door. Double fin black vinyl with steel retainer for jambs and lintel. Double fin black vinyl with aluminum retainer for jambs and lintel. ADCA bolt-on dual durometer black vinyl jamb seal.

.5 Finish: Two coat, baked-on paint system on exterior side, primer and polyester finish coat, Color to be selected by Departmental Representative.

2.5 Refer to Specification Section 08 36 19, Multi-Leaf Vertical Doors, 2.2 Hardware

Delete:

.2 Track: 2.75mm (12ga.) commercial galvanized track, formed track 80mm (3-1/8”) overall outside dimension. Vertical tracks sloped for weather tight closing, 400mm (16”) radius.

.8 Locking: Interior slide bolt.

.9 Bumper Springs: For 4’ (verify opening dimensions) hi-lift.

.10 Operations: Manual control by chain operator with locking mechanism.

Add:

- .2 Track: 2.75mm (12ga.) commercial galvanized track, formed track 80mm (3-1/8") overall outside dimension. Vertical tracks sloped for weather tight closing, 400mm (16") radius or less for low headroom installation.
- .8 Locking: Interior slide bolt type and bar latch completed with night lock with an outside cylinder and handle.
- .9 Bumper Springs: To suit low headroom.
- .10 Operations: Manual control by pull chain with spring.

2.6 Refer to Specification Section 32 31 13, Chain Link Fence, 2.1 Materials, .8 Table One

Delete:

Fabric galvanized grid 12.7mm x 76mm, 10.5ga.
Tie Wire, Hog Rings 300mm. (12") o.c.
at all tension bands and frame members

Add:

Fabric galvanized grid 12.7mm x 76mm, 10.5ga. wire wall
Manufacturer's Reference; Riverdale Mills Corporation
Tie Wire, Hog Rings 300mm. (12") o.c.
at all tension bands and frame members

End of Addendum #3

This addendum varies the Contract Documents and will form part of the Contract Documents and is to be read, interpreted and coordinated with all other parts, including General and Supplementary General Conditions of the Contract and all Sections in Division 1. The cost of all work contained herein is to be included in the Contract Sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above named project to the extent referenced and shall become a part thereof.

2 GENERAL

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- .2 The work required by this Addendum shall be executed in accordance with the requirements of the Contract and Contract Documents.
- .3 Include in the Stipulated Price, the cost of all work described in this Addendum.

3 SPECIFICATIONS

- .1 Section 23 07 15 – Thermal Insulation for Piping
 - .1 DELETE Section 23 07 15 – Thermal Insulation for Piping
Note: Work is covered under Section 23 07 19 – HVAC Piping Insulation
- .2 Section 23 07 19 – HVAC Piping Insulation
 - .1 Add Clause 3.6.1.2 to read:
 - .2 Apply anti-sweat coating here insulation is not specified on components of mechanical systems that might sweat, to prevent condensation. Also apply anti-sweat coating to all pipes, fittings, valves, and all other components of domestic cold water entry stations before installing insulation, then install insulation as specified, re-coat all uninsulated pipe fittings with anti-sweat coating, then seal pipe insulation penetrations, breaks, ends, and bevels with anti-sweat coating to create a continuous vapour barrier.

4 DRAWINGS

- .1 No revisions .

5 QUESTIONS AND ANSWERS

- .1 Q1: There are 13mm chemical treatment lines to each fluid cooler from the new Chemical Building. Are these lines to be insulated and heat traced?
A1: Yes, the lines require insulation and heat trace protection.
Note: Per recommendation from chemical treatment manufacturers/suppliers, the practical suggested installation method is as follows:
Provide a 20mm plastic conduit for each of the chemical treatment lines to each fluid cooler; the conduits shall follow the cold water makeup water lines (which are heat traced), and the bundle of the cold water makeup water lines together with the conduits and chemical feed lines are wrapped in common insulation and insulation jacket; chemical treatment tubing shall not be in direct contact with the heat trace.
- .2 Q2: Is insulation required for the condenser water in boiler room?
A2: No, condenser water piping in the boiler room does not require insulation.

- .3 Q3: Is insulation required for the condenser water in Storage Building?
A3: Yes, condenser water piping in the storage building requires insulation – provide 40mm [1.5"] insulation on condenser water in Storage Building.
- .4 Q4: There are 2 different specifications for this job for the HAVAC piping. One calls for 3" of insulation outside and for 2" inside. The other calls for 1 1/2" outside and 1" inside. What specification would you like me to follow?
A4: See clarification in this Addendum.

End of Mechanical Addendum No 3

This addendum varies the Contract Documents and will form part of the Contract Documents and is to be read, interpreted and coordinated with all other parts, including General and Supplementary General Conditions of the Contract and all Sections in Division 1. The cost of all work contained herein is to be included in the Contract Sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above named project to the extent referenced and shall become a part thereof.

2 GENERAL

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- .2 The work required by this Addendum shall be executed in accordance with the requirements of the Contract and Contract Documents.
- .3 Include in the Stipulated Price, the cost of all work described in this Addendum.

3 SPECIFICATIONS

- .1 No revision

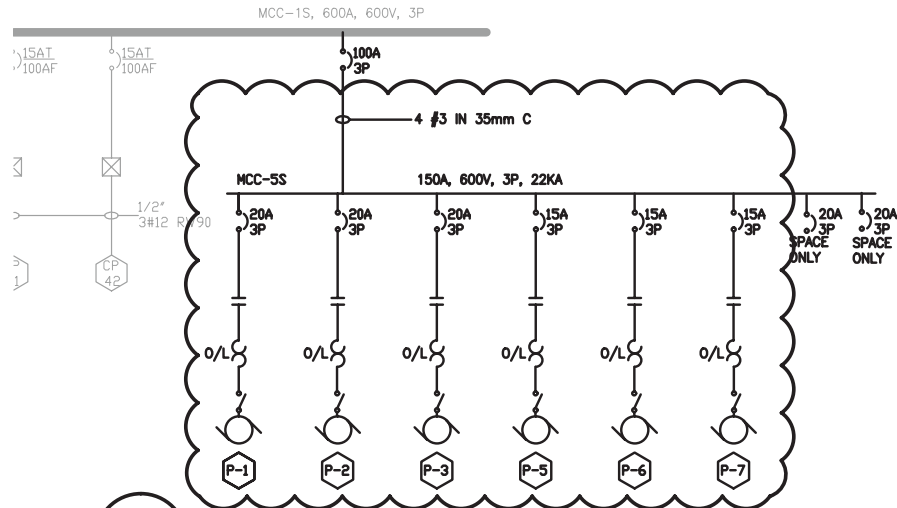
4 DRAWINGS

- .1 E-900
 - .1 Revise E-900 detail 3 and detail 4, see enclosed ESK-02.

5 QUESTIONS AND ANSWERS

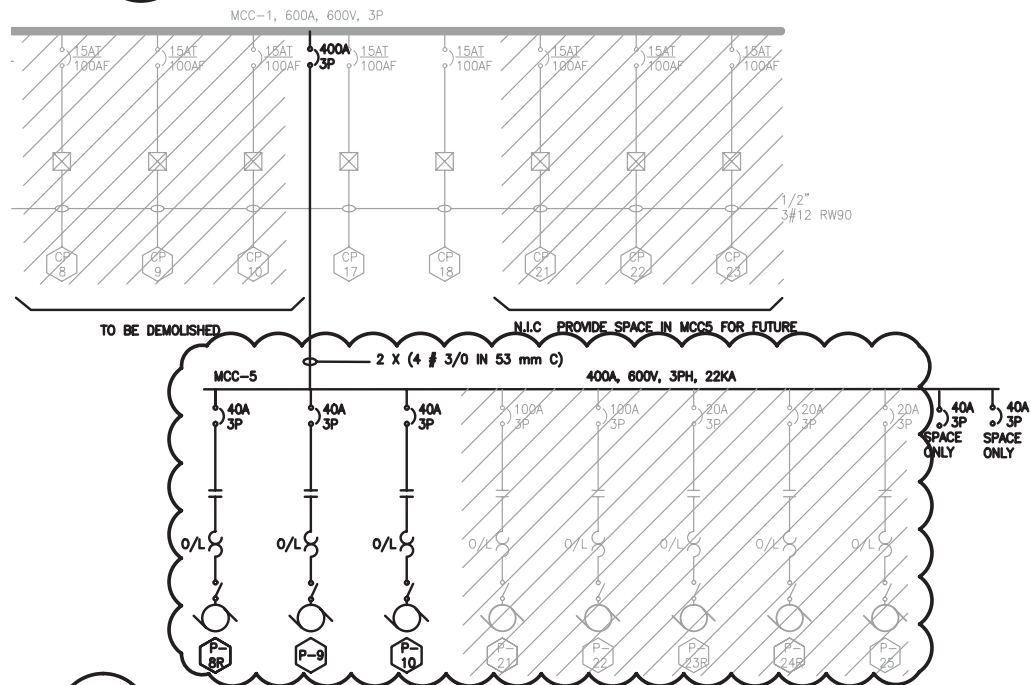
- .1 Q2: Are we to supplying MCC 5 & MCC 5S
A2: Yes, MCC 5 and MCC 5s are new electrical equipment as identified on Drawings E-150 and E-900.
- .2 Q3: Are we supplying the breakers for these MCC's
A3: Yes, refer to enclosed ESK-02.
- .3 Q4: If we're are supplying MCC's ,please clarify number of ccts required
A4: Refer to enclosed ESK-02.
- .4 Q5: Are we supplying new feeders from MDC-SN to MCC 5S
A5: Refer to enclosed ESK-02.
- .5 Q6: Are we supplying new feeders and breaker from MCC 1 to MCC 5?
A6: Refer to enclosed ESK-02.

End of Electrical Addendum No.3



3 SINGLE LINE DIAGRAM – MCC 1S

E-900 N.T.S.



4 SINGLE LINE DIAGRAM – MCC1

E-900 N.T.S.

Project title/Titre du projet

**PACIFIC AGRI-FOOD RESEARCH CENTRE
MECH & ELEC RETROFIT**

4200 97 HWY SOUTH SUMMERLAND BC

Drawing title/Titre du dessin

E-900 SINGLE LINE DIAGRAM AND MCC DETAIL

Consultant Signature Only

PWGSC Project Manager/Administrateur
de Projets TPSGC **TOM DUNPHY**

Scale/Echelle

N.T.S.

Designed by/Concept par

PWGSC, Regional Manager, Architectural and Engineering Services/
Gestionnaire régionale, Services d'architecture et de génie, TPSGC
PREETIPAL PAUL

Date/Date

2015/12/07

Drawn by/Dessine par

Project No./No. du
projet **115615169**

Sheet/Feuille

ESK-02

Revision/
Revision

