

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving Public Works and Government  
Services Canada/Réception des  
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The Cambridge Building  
3 Queen Street/3, rue Queen  
Charlottetown  
Prince Edward Island  
C1A 4A2

**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  
The Cambridge Building  
3 Queen Street/3 rue, Queen  
PO Box 1268/CP 1268  
Charlottetown  
Prince Ed  
C1A 4A2

<b>Title - Sujet</b> Chiller Replacement, Joseph A. Ghiz	
<b>Solicitation No. - N° de l'invitation</b> ED001-160598/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> R.055258.001	<b>Date</b> 2015-08-12
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWC-008-3656	
<b>File No. - N° de dossier</b> PWC-5-38042 (008)	<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> <b>on - le 2015-08-19</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Atlantic Daylight Saving Time ADT
<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> Reay, D (PWC)	<b>Buyer Id - Id de l'acheteur</b> pwc008
<b>Telephone No. - N° de téléphone</b> (902) 566-7518 ( )	<b>FAX No. - N° de FAX</b> (902) 566-7514
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**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>

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**SEE ATTACHED**

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

## **Invitation to Tender**

### **1. IMPORTANT NOTICE TO BIDDERS**

Add:

#### **LIMITATION OF LIABILITY**

PWGSC is limiting the Contractor's first party liability for work in Low Rise, High Rise and Heritage Buildings. See changes to GC1.6 "Indemnification by the Contractor" of R2810D in the Supplementary Conditions.

### **2. TABLE OF CONTENTS -**

#### **SUPPLEMENTARY CONDITIONS (SC)**

Add:

SC02 Limitation of Liability

### **3. SUPPLEMENTARY CONDITIONS (SC)**

Add:

#### **SC02 LIMITATION OF LIABILITY**

GC1.6 of R2810D is deleted and replaced with the following:

#### **GC1.6 Indemnification by the Contractor**

1. The Contractor shall indemnify and save Canada harmless from and against all claims, demands, losses, costs, damages, actions, suits, or proceedings whether in respect to losses suffered by Canada or in respect of claims by any third party, brought or prosecuted and in any manner based upon, arising out of, related to, occasioned by, or attributable to the activities of the Contractor in performing the Work, provided such claims are caused by the negligent or deliberate acts or omissions of the Contractor, or those for whom it is responsible at law.

2. The Contractor's obligation to indemnify Canada for losses related to first party liability shall be limited to:

- a. In respect to each loss for which insurance is to be provided pursuant to the insurance requirements of the Contract, the Commercial General Liability insurance limit for one occurrence as referred to in the insurance requirements of the Contract .
- b. In respect to losses for which insurance is not required to be provided in accordance with the insurance requirements of the Contract, the greater of the Contract Amount or \$5,000,000, but in no event shall the sum be greater than \$20,000,000.

The limitation of this obligation shall be exclusive of interest and all legal costs and shall not apply to any infringement of intellectual property rights or any breach of warranty obligations.

3. The Contractor's obligation to indemnify Canada for losses related to third party liability shall have no limitation and shall include the complete costs of defending any legal action by a third party. If requested by Canada, the Contractor shall defend Canada against any third party claims.
4. The Contractor shall pay all royalties and patent fees required for the performance of the Contract and, at the Contractor's expense, shall defend all claims, actions or proceedings against Canada charging or claiming that the Work or any part thereof provided or furnished by the Contractor to Canada infringes any patent, industrial design, copyright trademark, trade secret or other proprietary right enforceable in Canada.
5. Notice in writing of a claim shall be given within a reasonable time after the facts, upon which such claim is based, became known.

## **SPECIFICATION**

### 1. Section 23 05 19.01

Sub-section 2.2.1.2 – add - Winters Instruments

Sub-section 2.4.4 – add - Winters Instruments

#### Clarifications

2. Air and water cooled chillers will require manufacture field start up and commissioning services as identified in specification sections 23 64 16.01, part 3.1.4 and 23 64 16, part 3.1.4. Start up and commissioning activities are considered to occur *one time only* at times listed in specifications and are not required to be repeated over multiple years.
3. Reference specification section 23 64 16 part 2.6.1.3 and 23 64 16.01 part 2.7.1.3: An alarm for refrigerant leakage is **not** required to be included with the chiller control panel.
4. Reference specification section 23 64 16 part 2.4 and 23 64 16.01 part 2.4: Chiller water boxes to be provided with bolt on end caps to allow for tube maintenance.

## **DRAWINGS**

### 1. M-4

Equipment schedules for CH-4, CH-5, COND-4, COND 5, CH-1, CH-2 and CH-3: Chiller manufacturer to include non-fused disconnect switches for all chillers and condensers.

## **Questions from Bidders**

### **Question 1**

Could you please confirm the extent of the sprinkler work to be quoted for the above named project? As per the tender drawing “M4”, it looks like the relocation of the existing fire department connection is all of the work involved?

### **Answer 1**

Yes, the extent of sprinkler work shown on the drawings is correct.

**Question 2**

The underground lines being removed serving the cooling towers, will they be replaced with SCH 40 steel pipe with welded joints?

**Answer 2**

The replacement underground pipes are to be PVC. This is detailed on Civil drawings C-1, C-2 and in specification Section 31-00-99.

**Question 3**

What is the size of the entrance into the Mechanical Room?

**Answer 3**

Chillers must be able to pass through standard size double door for entrance into mechanical room. Chillers must accommodate compressor removal/installation in field and any other necessary field adjustments to accommodate this.

**Question 4**

Do we need a building permit?

**Answer 4**

The contractor is responsible to review and obtain any municipal, provincial and/or federal permits as required.

**Question 5**

What is required for security in the mechanical room, will we need to have security personnel on site for the whole project, or only when we are out of the mech room? What about outside?

**Answer 5**

A commissionaire will be required throughout the project. They will be responsible for issuing contractor badges and maintaining the sign-in/out records. It is anticipated that one commissionaire will be required for each day a contractor is on-site. Once inside of the mechanical room, a separate commissionaire will not be required, but that one commissionaire will provide escorting services between the loading dock and the mechanical room. During outside activities the contractor will be required to sign-in and obtain a contractor's pass so that there is record of who is on the premises. A separate commissionaire will not be required for outside work.

Please contact Chris Collins at the Canadian Corps of Commissionaires (902-894-7026 or [Charlottetown@cccnbpei.ca](mailto:Charlottetown@cccnbpei.ca)) for pricing and scheduling.

**Question 6**

Air cooled chillers list the condensers with the chillers. To our knowledge, there is no one pricing these as they are not specified anywhere, and SMARDT does not make them ( that is what we were told).

**Answer 6**

There is only one SMARDT dealer in Atlantic Canada and Quebec. They have been through the drawings/specs and have been quoting the chillers to other contractors.

**Question 7**

Is all the chilled water piping and condenser water schedule 40 steel? Is it the underground piping steel, and is there insulation required on it underground or any coverings?

**Answer 7**

The replacement underground pipes are to be PVC. This is detailed on Civil drawings C-1, C-2 and in specification Section 31-00-99.

**Question 8**

Specification Section 23 64 16 "Centrifugal Water Chillers – Water Cooled" Part 2.

Please consider ArctiCool Turbocore Flooded Chiller Model ACW300BT4022 as an acceptable alternate.

**Answer 8**

The information provided complies with the specification section 23 64 16 and performance listed in schedule on dwg M-11. We consider this proposed product to be an alternate to the other manufactures listed in the specification section, however it will be the responsibility of the manufacturer to meet any other requirements listed in project tender documents which is not detailed in the alternate product request.

**Question 9:**

Specification Section 23 64 16.01 "Centrifugal Water Chillers – Air Cooled" Part 2.

Please consider ArctiCool Turbocore Air Cooled Chiller Model ACA110AT356F-FCC as an acceptable alternate.

**Answer 9:**

1. The provided information does not outline a remote located condenser as indicated on drawings M-3, M-4, M-11 and specification section 23 64 16.01.
2. The provided information does not indicate free cooling/low ambient performance data as indicated in Specification 23 64 16.01 and schedule on dwg M-11

The above requirements are critical of the air cooled chiller system design. The proposed product does not appear to meet these requirements thus it cannot be accepted.

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**Question 10**

Flow required for the Chemical Feed Pumps?

**Answer 10**

Corrosion inhibitor and dual liquid micro biocide chemical types are already used at this facility and maintained by a chemical treatment provider. Same products will likely be required with new system but will be required to be confirmed by chemical treatment provider. Exact flow requirements will need to be determined by the chemical treatment provider. Contact current treatment provider listed in Specification 23 25 00 section 2.1.2. for information on existing systems.

**Question 11**

System pressure for the Chemical Feed Pumps?

**Answer 11**

Maximum expected system pressure after cooling tower pump will not be greater than 19.5 meter head of water.

**Question 12**

Chemical Feed Pump has to be resistant to what chemicals?

**Answer 12**

Please see response to Question #1 above.

**Question 13**

What is 3/4'' Pot feeder For?

**Answer 13**

Not sure what pot feeder is referred to in the above question? If it is the chiller water pot feeder shown on Detail 4 of dwg M-3, then these are to serve chilled water loops in building. The expected chemical is a corrosion inhibitor but to be confirmed by the current water treatment provider.

**Question 14**

Water Meter accuracy +/- 1.5% is there any wiggle room? Neptune don't feel there is a meter available that will meet that accuracy?

**Answer 14**

Line in specification section 23 25 00 part 2.9.1 currently reads: " . . . accuracy of +/- 1.5%. Line to be expanded to read: " . . . accuracy of +/- 1.5% of maximum flow when operating in between minimum and maximum flow range."

**Question 15**

I am looking for clarification on the number of new concrete pads for inside the mechanical room. I see the pump pads and glycol and chemical pads. Looking for clarification / sizing on CH-1, CH-2, CH-3, CH-4, CH-5



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**Answer 15**

Pads required for all chillers as noted on dwg M-3. Reference Detail 5 on drawing M-9 for size of pads.