

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving Public Works and Government  
Services Canada/Réception des  
soumissions/Travaux publics et Services  
gouvernementaux Canada  
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 at - à 02:00 PM on - le 2015-08-19</b>	<b>Time Zone</b> Fuseau horaire 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 (type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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**SEE ATTACHED**

Les changements suivants aux documents d'appel d'offres entrent en vigueur immédiatement. Cet addenda fera partie des documents contractuels.

## **INVITATION À SOUMISSIONNER**

### **1. AVIS IMPORTANT AUX SOUMISSIONNAIRES**

Ajouter:

#### **LIMITATION DE LA RESPONSABILITÉ**

TPSGC limite la responsabilité de première partie de l'entrepreneur pour les travaux effectués dans les édifices bas, les édifices en hauteur ou les édifices patrimoniaux. Voir les modifications à la CG1.6 « Indemnisation par l'entrepreneur » de la R2810D aux conditions supplémentaires.

### **2. TABLE DES MATIÈRES**

#### **CONDITIONS SUPPLÉMENTAIRES (CS)**

Ajouter:

CS02 Limitation de la responsabilité

### **3. CONDITIONS SUPPLÉMENTAIRES (CS)**

Ajouter:

#### **CS02 LIMITATION DE LA RESPONSABILITÉ**

La CG1.6 de la R2810D est supprimée et remplacée par le texte suivant:

CG1.6 Indemnisation par l'entrepreneur

1. L'entrepreneur exonère et indemnise le Canada des réclamations, demandes d'indemnisation, pertes, frais, dommages, actions, poursuites ou procédures se rapportant aux pertes subies par le Canada ou aux réclamations de tierces parties et découlant, de quelque façon que ce soit, des activités de l'entrepreneur dans l'exécution des travaux, dans la mesure où ces réclamations sont causées par des actes négligents ou délibérés ou des omissions attribuables à l'entrepreneur, ou à quiconque dont il est responsable en vertu de la loi.

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2. L'obligation de l'entrepreneur d'indemniser le Canada pour chacune des pertes liées à la responsabilité de première partie est limitée comme suit :
- a) en ce qui a trait à chacune des pertes pour lesquelles une assurance doit être fournie en vertu des exigences en assurance du contrat, elle est limitée au plafond par sinistre, de l'assurance responsabilité civile des entreprises, comme il est indiqué aux exigences en assurance du contrat.
  - b) en ce qui a trait aux pertes pour lesquelles aucune assurance n'est requise, en vertu des exigences en assurance du contrat, elle est limitée au montant le plus élevé entre le montant du contrat et 5,000,000\$, mais en aucun cas le montant ne doit être supérieur à 20,000,000\$.
- Les montants ci-dessus ne comprennent pas les intérêts ni les frais de justice et ne sont applicables à aucune violation des droits de propriété intellectuelle ou des obligations de garantie.
3. L'obligation de l'entrepreneur d'indemniser le Canada, pour des pertes liées à la responsabilité de tierces parties n'est assujettie à aucune limite, y compris la totalité des frais qu'il devra engager pour se défendre en cas de poursuite par une tierce partie. Lorsque le Canada l'exige, l'entrepreneur doit défendre le Canada contre toute réclamation présentée par une tierce partie.
4. L'entrepreneur acquitte l'ensemble des redevances et des droits de brevet nécessaires à l'exécution du contrat et assume à ses frais la défense du Canada contre toutes les réclamations, actions ou procédures déposées ou intentées contre le Canada et alléguant que les travaux, ou toute partie de ceux-ci, réalisés ou fournis par entrepreneur pour le Canada portent atteinte à des brevets, modèles industriels, droits d'auteur, marques de commerce, secrets industriels ou autres droits de propriété susceptibles d'exécution au Canada.
5. Un avis écrit d'une réclamation doit être donné dans un délai raisonnable après que les faits sur lesquels est fondée cette demande deviennent connus.

## **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.