

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
Bid Receiving Public Works & Government Services  
Canada/Réception des soumissions Travaux publics et  
Services gouvernementaux Canada  
1713 Bedford Row  
Halifax, N.S./Halifax,(N.E.)  
B3J 1T3  
Halifax  
Bid Fax: (902) 496-5016

**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  
Real Property Contracting  
1713 Bedford Row  
P.O. Box 2247/C.P.2247  
Halifax, N.S./Halifax, (N.E.)  
B3J 3C9  
Halifax

<b>Title - Sujet</b> MCTS RENOVATION	
<b>Solicitation No. - N° de l'invitation</b> E0225-141446/A	<b>Amendment No. - N° modif.</b> 002
<b>Client Reference No. - N° de référence du client</b> E0225-14-1446	<b>Date</b> 2013-11-15
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$PWA-121-5027	
<b>File No. - N° de dossier</b> PWA-3-70063 (121)	<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 2013-11-21</b>	
<b>Time Zone</b> Fuseau horaire Atlantic Standard Time AST	
<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> Russell (PWA), Alex	<b>Buyer Id - Id de l'acheteur</b> pwa121
<b>Telephone No. - N° de téléphone</b> (902) 496-5168 ( )	<b>FAX No. - N° de FAX</b> (902) 496-5016
<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> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<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>

**Amendment 002 is raised for the following:**

**1.0 Questions and Answers**

Q1

Is there a specification for shingles?

A1

Yes. Refer to 07 31 30 "Wood Shingles". Please note changes in Addendum #2 from Eastern White Cedar to Western Red Cedar.

Q2

Is there a specific mechanical control system to tie into?

A2

No, controls are standalone as shown.

Q3

Ductless split AC units, how are they to be disposed of?

A3

Gas is to be recycled and the paperwork for DFO's halo carbon tagging system is to be completed by the contractor and submitted to DFO prior to removal from site.

Q4

What are the temporary cooling requirements for Server room during equipment switchout?

A4

10 tons is recommended as this is the tonnage that currently is installed and appears to be what is required.

Q5

The specification/drawings indicate that a 200lb air test is required for the sprinkler system, and the contractor is to provide an engineered design. Are these required?

A5

No, as this work is to relocate the sprinkler heads to suit the new occupancy only, and a future project will replace the pipe, and ensure the system meets code requirements, the air testing and design services are not required for this contract. Submit product information, as per specification. Please delete all reference to system testing and engineering design for sprinkler work. At the closeout submittals stage, a letter from the sprinkler contractor saying that the system has been installed in accordance with NFPA 13 will be required.

Q6

Where is the nearest floor drain in the server room?

A6

The floor drain is next to the existing Leibert units in the server room, as seen during the site tour.

Q7

There is a mud slab shown on the architectural drawings but it is not shown in the structural drawings. Is it required?

A7

Yes. A note will be added to the Structural Drawings when issued for construction.

Q8

Is insulation required on the new vertical foundation walls?

A8

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Only as per Section Detail 8 on Drawing A8.

Q9

The specification indicates that any work where the MSDS indicates that the material is toxic shall occur 'after hours'. Is this the intent? MCTS operates 24/7/365.

A9

This refers to Section 01 14 10 1.4.5. Items 1 and 2 will be deleted via addendum #2. The intent is to protect the building occupants from poor air quality during construction, not to overly restrict the Contractor in their use of products during regular hours. Reference will be made to the Master Health and Safety Plan.

Q10

Where is excavated material to be placed? Is it to be removed from site?

A10

DFO has a location near the parking lots that the material can be placed.

Q11

Will DFO provide on site work power for the contractors?

A11

Yes. However, this will be limited to the power available in the building. Contractor is responsible for all cabling back to existing panels as designated by DFO. Refer to existing specification section 01 50 00, clause 1.10 Power.

Q12

What is the security system and is it to be supplied by the contractor?

A12

The contractor's work for the access control is described on the drawings (plans and risers- detail 1/E6) and the specifications. Essentially, the contractor is to provide rough-in and wiring for all devices from the device back to the existing control panel in room CC109. CGC' s security manager will provide all devices, make all connections and commissioning. The exceptions to this are the electric door strikes which are specified under the door hardware; these devices are to be supplied and installed by the contractor.

Q13

Is the redundant halon pipe in the server room to be removed?

A13

Not at this time.

Q14

Is the wood ceiling to be replaced or taken down and put back up.

A14

Take care when removing wood ceiling and put it back up when access to ceiling space is completed.

Q15

Is the contractor responsible to pay for the commissionaires/escorts?

A15

No, DFO will pay for the commissionaires.

Q16

Do electrical access hatches need to be fire rated?

A16

No, only perforations between floors need to be fire rated.

Q17

There is no sprinkler shown in the elevator and elevator machine room. Are these required?

A17

The requirement for sprinklers in the in the elevator and machinery room are included on the drawings (M9). The area circled is the area where the layout has changed enough to warrant sprinkler revisions. The sprinkler piping shown is the existing layout (assumed existing layout - see note 1 on M9). It is in the scope of the contractor to modify this piping and head layout as required so that the modified and new areas of the building are in accordance with NFPA 13.

Q18

There are no new ceilings on the third floor. Is the Contractor required to patch holes where lights and other services are removed?

A18

Yes. A note will be added to the drawings when issued for construction.

Q20

The plywood listed under 06 10 00 Rough Carpentry (there are three types) are all exterior grade - was this the intention?

A20

No, we do not require exterior grade plywood on the floor. See paragraph 3 of Addendum #1.

Q21

Section 06 10 00 - 3.4.2.4 - Please confirm if wood studs, lintels and floor joists are to be pressure treated.

A21

No. Only wood installed on the outside of the air/vapour barrier is required to be pressure treated. See addendum for correction.

Q22

Please confirm if a building permit from Cape Breton Regional Municipality will be required for the project?

A22

Yes, as part of our 'good neighbours' policy, we require that a building permit be purchased from CBRM.

Q23 Drawing E5 - Detail 2

Please provide the cable and conduit size for the feeder for panel 3190, Transformer T-1301, and Panel 1190.

A23

- a. Feeder to Panel 3190 is supplied and installed under a separate contract: 4 x 4/0 AWG, 1 x # 2 AWG Bond in 78 mm C.
- b. Feeder (primary) to transformer T-1301: 3 x #3 AWG, 1 x #6 AWG Bond in 35mm C. #6 AWG ground at transformer secondary winding.
- c. Feeder (secondary) from T-1301 to Panel 1190: 4 x 300kcmil, 1 x #3 AWG Bond, 78mm C.

Q24 Drawing E5 - Detail 2

Will a new breaker be required in the General Power Switch Board in Cabot (Cadet?) Building?

A24

Breaker in General Power Switchboard for Panel 3190 is supplied and installed under a separate contract.

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E0225-141446/A

Amd. No. - N° de la modif.

002

Buyer ID - Id de l'acheteur

pwa121

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

E0225-14-1446

File No. - N° du dossier

PWA-3-70063

CCC No./N° CCC - FMS No/ N° VME

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#### Q25 Drawing E5 - Detail 4

Please provide the cable and conduit size for the feeder for panel E3106.

A25

Feeder to Panel E3106 is supplied and installed under a separate contract: 4 x 4/0 AWG, 1 x # 2 AWG Bond in 78 mm C.

#### Q26 Drawing E5 - Detail 4

Will existing panel E3103 require a new breaker?

A26

Breaker in Switchboard E3103 for Panel E3106 is supplied and installed under a separate contract.

### **2.0 Addendum**

Addendum #1 - see attached

### **3.0 Specification Section addition**

Insert Section 23 05 95 - Testing, Adjusting and Balancing (TAB) - see attached.

### **4.0 Insurance Terms**

See attached Certificate of Insurance and terms of coverage to replace R2910D of Contract Documents.

### **5.0 Solicitation Closing Date**

#### **Extend Bid Closing**

Delete: Nov 19th

Insert: Nov 21st

***All other terms and conditions remain the same.***

Please note: The following changes to Tender PWGSC Project NO.R.049698.003 shall form part of the "Tender Documents".

#### **SPECIFICATIONS**

1. Specification Section 01 14 10: Scheduling and Management of the Work. 1.4 Operational Restrictions. Delete Items 1.4.5.1 and 1.4.5.2. Replace with "Refer to Master Health and Safety Plan for use of hazardous or toxic materials".
2. Specification Section: 01 35 54 Site Security Requirements:
  - .1 Replace all of "1.3 Security Clearance Req'ts..." with the following:
    - " 1.3 Security Clearance
    - .1 Persons employed by Contractor or by subcontractors who will be working on site can undergo the following check:
      - .1 Apply for PWGSC personnel security clearance screening and obtain a Reliability Status.
      - .2 Departmental Representative will advise when worker security clearance has been received and whether escort and supervision is still needed for any worker.
      - .3 Escort and supervision functions specified herein is still required on the project after workers have obtained security clearance."
3. Specification section: 06 10 00 Rough Carpentry, 2.2 Panel Materials. Replace Items .1, .2 & .3 with the following:
  - .1 Roof Sheathing: 5/8" (16mm) T&G exterior grade plywood.
  - .2 Walls: Interior shear walls and exterior walls to be 1/2" (13mm) T&G plywood.
  - .3 Floor: 3/4" (19mm) T&G Plywood.
4. Specification Section: 06 10 00 Rough Carpentry, 3.4 Schedules. Delete 3.4.2.4.
5. Specification section: 07 31 30 Wood Shingles, 2.1 Materials:
  - .1 Change "Eastern White Cedar" to "Western Red Cedar" to match existing.
6. Specification section: 21 13 16:
  - .1 Delete 1.3.2.1.1.
  - .2 Delete 1.3.4.5.2 and replace with "Provide letter indicating that the existing sprinkler system has been modified as required to suit the renovated areas in accordance with NFPA 13."
7. Specification Section 23 05 95 - Testing, Adjusting and Balancing (TAB)
  - .1 Add specification section 23 05 95 (attached).

#### **DRAWINGS**

8. Dwg S5 - Structural Foundation Sections

- .1 Add a 75 thick mudslab to Sections A, B, C and D.
- 9. Dwg A3 - Reflected Ceiling Plans
  - .1 Add a General Note: Repair drywall ceilings with holes or damage caused by removal of lights or other services.
- 10. Dwg E2 - Level 100 - Systems
  - .1 Add existing Hirsch Door Access control panel in Room CC109 on north wall adjacent to door.
- 11. Dwg E3 - Level 200 - Power and Telecom
  - .1 Revise circuit number for CRAC2-OU to read: E1105-7,9,11.
- 12. Dwg E4 - Level 300 - Lighting
  - .1 Revise Panel designation for lighting in Corridor 300 from Panel CA to Panel CB. Circuit position numbers to remain as indicated.
- 13. Dwg E5 - Single Line Diagrams
  - .1 Detail 2
    - .1 Feeder to Panel 3190 is supplied and installed under a separate contract: 4 x 4/0 AWG, 1 x # 2 AWG Bond in 78 mm C.
    - .2 Feeder (primary) to transformer T-1301: 3 x #3 AWG, 1 x #6 AWG Bond in 35mm C. #6 AWG ground at transformer secondary winding.
    - .3 Feeder (secondary) from T-1301 to Panel 1190: 4 x 300kcmil, 1 x #3 AWG Bond, 78mm C.
    - .4 Revise rating of panel 3190 to 225 A
    - .5 Breaker in General Power Switchboard for Panel 3190 is supplied and installed under a separate contract.
  - .2 Detail 3
    - .1 Disconnection and removal of 100 A fused switch serving 75 kVA transformer in room CC175 and lockout of 100 A feeder breaker in panel 3E2 In main electrical is by this contractor.
    - .2 Delete demolition note 1 from panel 3E2 and feeder to 100 A fused switch in MacKenzie Building. Removal of panel 3E2 and feeder from panel 3E2 to 100 A fused switch are under a separate contract.
  - .3 Detail 4
    - .1 Delete Construction note 4 from feeder to panel E3106. Feeder to Panel E3106 is supplied and installed under a separate contract: 4 x 4/0 AWG, 1 x # 2 AWG Bond in 78 mm C.
    - .2 Breaker in Switchboard E3103 for Panel E3106 is supplied and installed under a separate contract.
- 14. Dwg E9 - Schedules
  - .1 Panel Schedule E3106
    - .1 Revise Source to read: Fed from Panel E3103.

PART 1 - GENERAL

1.1 SUMMARY

- .1 TAB is used throughout this Section to describe the process, methods and requirements of testing, adjusting and balancing for HVAC.
- .2 TAB means to test, adjust and balance to perform in accordance with requirements of Contract Documents and to do other work as specified in this Section.
- .3 TAB agency must be present to assist the commissioning authority during the commissioning of HVAC systems. TAB agency will be responsible for measuring entering and leaving air temperature at all coils to calibrate EMCS and for setting the DHW balancing valves.

1.2 QUALIFICATIONS OF TAB PERSONNEL

- .1 Submit names of personnel certified to AABC or NEBB to perform TAB to Consultant within 90 days of award of contract.
  - .2 TAB: performed in accordance with the requirements of standard under which TAB Firm's qualifications are approved:
    - .1 Associated Air Balance Council, (AABC) National Standards for Total System Balance, MN-1.
    - .2 National Environmental Balancing Bureau (NEBB) TABES, Procedural Standards for Testing, Adjusting, Balancing of Environmental Systems.
    - .3 Sheet Metal and Air Conditioning Contractors' National Association (SMACNA), HVAC TAB HVAC Systems - Testing, Adjusting and Balancing.
  - .3 Recommendations and suggested practices contained in the TAB Standard: mandatory.
  - .4 Use TAB Standard provisions, including checklists, and report forms to satisfy Contract requirements.
  - .5 Use TAB standard for TAB, including qualifications for TAB Firm and Specialist and calibration of TAB instruments.
  - .6 Where instrument manufacturer calibration recommendations are more stringent than those listed in the TAB standard, use manufacturer's recommendations.
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- 1.2 QUALIFICATIONS OF TAB PERSONNEL (Cont'd) .7 TAB Standard quality assurance provisions such as performance guarantees form part of this contract.
- .1 For systems or system components not covered in TAB standard, use TAB procedures developed by TAB Specialist.
- .2 Where new procedures and requirements are applicable to Contract requirements have been published or adopted by body responsible for TAB Standard used (AABC, NEBB, or SMACNA), requirements and recommendations contained in these procedures and requirements are mandatory.
- 1.3 PURPOSE OF TAB .1 Test to verify proper and safe operation, determine actual point of performance, evaluate qualitative and quantitative performance of equipment, systems and controls at design, average and low loads using actual or simulated loads.
- .2 Adjust and regulate equipment and systems so as to meet specified performance requirements and to achieve specified interaction with other related systems under normal and emergency loads and operating conditions.
- .3 Balance systems and equipment to regulate flow rates to match load requirements over full operating ranges.
- 1.4 EXCEPTIONS .1 TAB of systems and equipment regulated by codes, standards to be to satisfaction of authority having jurisdiction.
- 1.5 CO-ORDINATION .1 Schedule time required for TAB (including repairs, re-testing) into project construction and completion schedule so as to ensure completion before acceptance of project.
- .2 Do TAB of each system independently and subsequently, where interlocked with other systems, in unison with those systems.
- 1.6 PRE-TAB REVIEW .1 Review contract documents before project construction is started and confirm in writing to Consultant adequacy of provisions for TAB and other aspects of design and installation pertinent to success of TAB.
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- 1.6 PRE-TAB REVIEW (Cont'd) .2 Review specified standards and report to Consultant in writing all proposed procedures which vary from standard.
- .3 During construction, co-ordinate location and installation of TAB devices, equipment, accessories, measurement ports and fittings.
- 1.7 START-UP .1 Follow start-up procedures as recommended by equipment manufacturer unless specified otherwise.
- .2 Follow special start-up procedures specified elsewhere in other Divisions.
- 1.8 OPERATION OF SYSTEMS DURING TAB .1 Operate systems for length of time required for TAB and as required by Consultant for verification of TAB reports.
- 1.9 START OF TAB .1 Notify Consultant seven (7) days prior to start of TAB.
- .2 Start TAB when building is essentially completed, including:
- .1 Installation of ceilings, doors, windows, other construction affecting TAB.
  - .2 Application of weatherstripping, sealing, caulking.
  - .3 All pressure, leakage, other tests specified elsewhere in other Divisions.
  - .4 All provisions for TAB installed and operational.
- .3 Start-up, verification for proper, normal and safe operation of mechanical and associated electrical and control systems affecting TAB including but not limited to:
- .1 Proper thermal overload protection in place for electrical equipment.
  - .2 Air systems:
    - .1 Filters in place, clean.
    - .2 Duct systems clean.
    - .3 Ducts, air shafts, ceiling plenums are airtight to within specified tolerances.
    - .4 Correct fan rotation.
    - .5 Fire, smoke, volume control dampers installed and open.
    - .6 Coil fins combed, clean.
    - .7 Access doors, installed, closed.
-

- 1.9 START OF TAB .3 (Cont'd)  
(Cont'd)
- .2 Air systems:(Cont'd)
  - .8 Outlets installed, volume control dampers open.
  - .9 Liquid systems:
    - .1 Flushed, filled, vented.
    - .2 Correct pump rotation.
    - .3 Strainers in place, baskets clean.
    - .4 Isolating and balancing valves installed, open.
    - .5 Calibrated balancing valves installed, at factory settings.
    - .6 Chemical treatment systems complete, operational.
- 1.10 APPLICATION TOLERANCES .1 Do TAB to following tolerances of design values:
- .1 Laboratory HVAC systems: plus 10%, minus 0%.
  - .2 Other HVAC systems: plus 5%, minus 5%.
  - .3 Hydronic system: plus or minus 10%.
- 1.11 ACCURACY TOLERANCES .1 Measured values to be accurate to within plus or minus 2% of actual values.
- 1.12 INSTRUMENTS .1 Prior to TAB, submit to Consultant list of instruments to be used together with serial numbers.
- .2 Calibrate in accordance with requirements of most stringent of referenced standard for either applicable system or HVAC system.
  - .3 Calibrate within three (3) months of TAB. Provide certificate of calibration to Consultant.
- 1.13 SUBMITTALS .1 Submit, prior to commencement of TAB:
- .1 Proposed methodology and procedures for performing TAB if different from referenced standard.
- 1.14 PRELIMINARY TAB REPORT .1 Submit for checking and approval of Consultant prior to submission of formal TAB report, sample of rough TAB sheets. Include:
- .1 Details of instruments used.
  - .2 Details of TAB procedures employed.
  - .3 Calculations procedures.
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- 1.14 PRELIMINARY .1 (Cont'd)  
TAB REPORT .4 Summaries.  
(Cont'd)
- 1.15 TAB REPORT .1 Format to be in accordance with referenced standard.  
.2 TAB report to show results in SI units and to include:  
.1 Project record drawings.  
.2 System schematics.  
.3 Submit three (3) copies of TAB Report to Consultant for verification and approval, in English in D- ring binders, complete with index tabs.
- 1.16 VERIFICATION .1 Reported results subject to verification by Consultant.  
.2 Provide manpower and instrumentation to verify up to 30% of reported results.  
.3 Number and location of verified results to be at discretion of Consultant.  
.4 Bear costs to repeat TAB as required to satisfaction of Consultant.
- 1.17 SETTINGS .1 After TAB is completed to satisfaction of Consultant, replace drive guards, close access doors, lock devices in set positions, ensure sensors are at required settings.  
.2 Permanently mark settings to allow restoration at any time during life of facility. Markings not to be eradicated or covered in any way.
- 1.18 COMPLETION .1 TAB to be considered complete when final TAB Report  
OF TAB received and approved by Consultant.
- 1.19 AIR SYSTEMS .1 Standard: TAB to be to most stringent of this section or TAB standards of AABC or NEBB.
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- 1.19 AIR SYSTEMS (Cont'd)
- .2 Do TAB of systems, equipment, components, controls specified in other Divisions.
  - .3 Qualifications: personnel performing TAB to be qualified to standards of AABC or NEBB.
  - .4 Quality assurance: Perform TAB under direction of supervisor qualified to standards of AABC or NEBB.
  - .5 Measurements: to include, but not limited to, following as appropriate for systems, equipment, components, controls: air velocity, static pressure, flow rate, pressure drop (or loss), temperatures (dry bulb, wet bulb, dewpoint), duct cross-sectional area, RPM, electrical power, voltage, noise, vibration, amperage and volts for each stage of electrical heating coils.
  - .6 Locations of equipment measurements: To include, but not be limited to, following as appropriate:
    - .1 Inlet and outlet of dampers, filter, coil, fan, other equipment causing changes in conditions.
    - .2 At controllers, controlled device.
  - .7 Locations of systems measurements to include, but not be limited to, following as appropriate: Main ducts, main branch, sub-branch, run-out (or grille, register or diffuser).

PRODUCTS Not Applicable

EXECUTION Not Applicable

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# CERTIFICATE OF INSURANCE

Description and Location of Work		Contract No.			
		Project No.			
Name of Insurer, Broker or Agent		Address (No., Street)	City Province Postal Code		
Name of Insured (Contractor)		Address (No., Street)	City Province Postal Code		
Additional Insured : <b>Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services</b>					
Type of Insurance (Required when Checked)	Insurer Name and Policy Number	Inception Date D / M / Y	Expiry Date D / M / Y	Limits of Liability	
<input type="checkbox"/> <b>Commercial General Liability</b>				Per Occurrence	Annual General Aggregate
<input type="checkbox"/> <b>Umbrella/Excess Liability</b>				\$	\$
<input type="checkbox"/> <b>Builder's Risk / Installation Floater</b>				\$	Completed Operations Aggregate
<input type="checkbox"/> <b>Pollution Liability</b>				\$	\$
<input type="checkbox"/> <b>Marine Liability</b>				\$	Aggregate
<input type="checkbox"/> <b>Aviation Liability</b>				\$	Aggregate
<input type="checkbox"/>				\$	Aggregate
<p>I certify that the above policies were issued by insurers in the course of their insurance business in Canada, are currently in force and include the applicable insurance coverages stated on page 2 of this Certificate of Insurance, including advance notice of cancellation / reduction in coverage.</p>					
Name of person authorized to sign on behalf of Insurer(s) (Officer, Agent, Broker)				Telephone Number	
Signature				Date D / M / Y	

<p><b>General</b></p> <p>The insurance policies required on page 1 of the Certificate of Insurance must be in force and must include the insurance coverage listed under the corresponding type of insurance on this page.</p> <p>The policies must insure the Contractor and must include Her Majesty the Queen in Right of Canada as represented by the Minister of Public Works and Government Services as an additional Insured.</p> <p>The insurance policies must be endorsed to provide Canada with not less than thirty (30) days notice in writing in advance of a cancellation of insurance or any reduction in coverage.</p> <p>Without increasing the limit of liability, the policies must protect all insured parties to the full extent of coverage provided. Further, the policies must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.</p>	<p><b>Commercial General Liability</b></p> <p>The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.</p> <p>The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:</p> <ul style="list-style-type: none"> <li>(a) Blasting.</li> <li>(b) Pile driving and caisson work.</li> <li>(c) Underpinning.</li> <li>(d) Removal or weakening of support of any structure or land whether such support be natural or otherwise if the work is performed by the insured contractor.</li> </ul> <p>The policy must have the following minimum limits:</p> <ul style="list-style-type: none"> <li>(a) <b>\$5,000,000</b> Each Occurrence Limit;</li> <li>(b) <b>\$10,000,000</b> General Aggregate Limit per policy year if the policy contains a General Aggregate; and</li> <li>(c) <b>\$5,000,000</b> Products/Completed Operations Aggregate Limit.</li> </ul> <p>Umbrella or excess liability insurance may be used to achieve the required limits.</p>	<p><b>Builder's Risk / Installation Floater</b></p> <p>The insurance coverage provided must not be less than that provided by the latest edition of IBC Forms 4042 and 4047.</p> <p>The policy must permit use and occupancy of any of the projects, or any part thereof, where such use and occupancy is for the purposes for which a project is intended upon completion.</p> <p>The policy may exclude or be endorsed to exclude coverage for loss or damage caused by asbestos, fungi or spores, cyber and terrorism.</p> <p>The policy must have a limit that is <b>not less than the sum of the contract value</b> plus the declared value (if any) set forth in the contract documents of all material and equipment supplied by Canada at the site of the project to be incorporated into and form part of the finished Work. If the value of the Work is changed, the policy must be changed to reflect the revised contract value.</p> <p>The policy must provide that the proceeds thereof are payable to Canada or as Canada may direct in accordance with GC10.2, "Insurance Proceeds" (<a href="https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2900D/2">https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R/R2900D/2</a>).</p>
<p><b>Contractors Pollution Liability</b></p> <p>The policy must have a limit usual for a contract of this nature, but not less than <b>\$1,000,000</b> per incident or occurrence and in the aggregate.</p>	<p><b>Marine Liability</b></p> <p>The insurance coverage must be provided by a Protection &amp; Indemnity (P&amp;I) insurance policy and must include excess collision liability and pollution liability.</p> <p>The insurance must be placed with a member of the International Group of Protection &amp; Indemnity Associations or with a fixed market in an amount of not less than the limits determined by the <i>Marine Liability Act</i>, S.C. 2001, c. 6.</p> <p>Coverage must include crew liability, if it is not covered by the statutory requirements of the Territory or Province having jurisdiction over such employees.</p> <p>The policy must waive all rights of subrogation against Canada as represented by Public Works and Government Services Canada for any and all loss of or damage to the watercraft however caused.</p>	<p><b>Aviation Liability</b></p> <p>The insurance coverage shall include Bodily Injury (including passenger Bodily Injury) and Property Damage, in an amount of not less than <b>\$5,000,000</b> per incident or occurrence and in the aggregate.</p>