



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS A:

Natural Resource Canada
Bid Receiving Unit, Mailroom
588 Booth Street, Room 108
Ottawa, Ontario
K1A 0Y7
Attention: Valerie Holmes

INVITATION TO TENDER
APPEL D'OFFRES

Tender to: Natural Resources Canada
We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Soumission aux: Ressources naturelles Canada
Nous offrons par la présente de vendre à Sa Majesté la Reine du Chef du Canada, aux conditions énoncées ou incluses par référence dans la présente at aux annexes ci-jointes, les biens, services et construction énumérés ici et sur toute feuille ci-annexée, au(x) prix indiqué(s).

COMMENTS - COMMENTARIES

The Offeror hereby acknowledge that the attached document contains its Standing Offer	
Le Proposant constate, par la présente, que le document ci-joint comprend son Offre à Commandes.	
_____	_____
Signature	Date
Name and Title of person authorized to sign on behalf of Offeror. Nom et titre de la personne autorisé à signer au nom du Proposant	
_____	_____
(Type or Print)	(Taper ou imprimer)

Issuing Office - Bureau de distribution

Natural Resources Canada
Procurement Services Unit
580 Booth Street
Ottawa, Ontario
K1A 0E4

Title - Sujet Install Power Lines	
Date August 27, 2015	
Solicitation No. - No. de l'invitation NRCan-5000017001	Client Ref. No. - No. de réf du client 127469
GETS Reference No. - No de reference de SEAG	
Solicitation Closes - L'invitation prend fin At - à: 02:00 PM On - le: September 21, 2015	Time Zone - Fuseau horaire Eastern Daylight Savings Time (EDT)
F.O.B. - F.A.B. Plant-Usine <input type="checkbox"/> Destination: X Other - Autre: <input type="checkbox"/>	
Address Inquiries to: - Adresse toute demande de renseignements à : Valerie Holmes - Procurement Specialist	
Téléphone No. - No. de telephone: (343) 292-8371	Fax No. - No de FAX (613) 947-5477
Destination of Goods, Services, and Construction: Destination des biens, services et construction: See herein	
Vendor/Firm Name and Address : Raison sociale et adresse du fournisseur/de l'entrepreneur: Name/Nom : _____ Address/Adresse : _____ _____ Telephone/Téléphone : _____ Facsimile/Télécopieur : _____ Email/Courriel : _____	
Name and Title of person authorized to sign on behalf of the Vendor/Firm: Nom et titre de la personne autorisé à signer au nom du fournisseur/de l'entrepreneur : Name/Nom : _____ Title/Titre : _____	



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R2710T - GENERAL INSTRUCTIONS - CONSTRUCTION SERVICES (GI) (2015-07-03)

The following GI's are included by reference and are available at the following Web Site:

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

- GI01 Integrity Provisions - Bid - delete in its entirety
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SPECIAL INSTRUCTIONS TO BIDDERS (SI)

SI01 Integrity Provisions

At Section GI01 - Integrity Provisions - Bid of SACC Clause R2710T (2015-07-03):

DELETE: in its entirety

SI02 Bid Documents

1. The following are the bid documents:
 - a) Invitation to Tender - Page 1;
 - b) Special Instructions to Bidders;
 - c) General Instructions - Construction Services - Bid Security Requirements R2710T (2015-07-03);
 - d) Clauses & Conditions identified in "Contract Documents";
 - e) Drawings and Specifications
 - f) Bid and Acceptance Form and related Appendix(s); and
 - g) Any amendment issued prior to solicitation closing

Submission of a bid constitutes acknowledgement that the Bidder has read and agrees to be bound by these documents.

2. General Instructions - Construction Services - Bid Security Requirements R2710T is incorporated by reference and is set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web site: <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

SI03 Enquiries During the Solicitation Period

1. Enquiries regarding this bid must be submitted in writing to the Contracting Officer named on the Invitation to Tender - Page 1 as early as possible within the solicitation period. Except for the approval of alternative materials as described in GI15 of R2710T, enquiries should be received no later than **five (5)** calendar days prior to the date set for solicitation closing to allow sufficient time to provide a response. Enquiries received after that time may not result in an answer being provided.
2. To ensure consistency and quality of the information provided to Bidders, the Contracting Officer shall examine the content of the enquiry and shall decide whether or not to issue an amendment.
3. All enquiries and other communications related to this bid sent throughout the solicitation period are to be directed **ONLY** to the Contracting Officer named on the Invitation to Tender - Page 1. Failure to comply with this requirement may result in the bid being declared non-responsive.

SI04 Mandatory Site Visit

There will be a mandatory site visit on **September 15, 2015** at **1:00 p.m.** Interested Bidders are to meet at **Acadia Research Forest**, located at **2325 Rte 10, Burpee, New Brunswick, E3A 0W9**.

The site visit for this project Optional. Bidders are requested to communicate with the Contracting Authority no later than **two (2)** business day(s) before the scheduled visit to confirm attendance and provide the names of the person(s) who will attend. The representative of the Bidder will be required to sign the Site Visit Attendance Sheet at the site visit. Bids submitted by **Bidders who have not signed the attendance sheet will not be accepted.** Bidders who do not attend this Mandatory site visit will not be permitted to bid on this requirement.



SI05 Revision of Bid

A bid may be revised by letter of facsimile in accordance with GI10 of R2710T. The facsimile number for receipt of revisions is (613) 995-2920.

SI06 Bid Results

1. A public bid opening will be held in the office designated on the Front Page “Invitation to Tender” for the receipt of bids shortly after the set time for solicitation closing.
2. Following solicitation closing, bid results may be obtained by calling (343) 292-8371.

SI07 Bid Validity Period

1. Canada reserves the right to seek an extension to the bid validity period prescribed at BA04 of the Bid and Acceptance Form. Upon notification in writing from Canada, Bidders shall have the option to either accept or reject the proposed extension.
2. If the extension referred to in paragraph 1 of SI07 is accepted, in writing, by all those who submitted bids, then Canada shall continue immediately with the evaluation of the bids and its approved processes.
3. If the extension referred to in paragraph 1 of SI07 is not accepted, in writing, by all those who submitted bids then Canada shall, at its sole discretion, either
 - a) Continue to evaluate the bids of those who have accepted the proposed extension and seek the necessary approvals; or
 - b) Cancel the invitation to tender.
4. The provisions expressed herein do not in any manner limit Canada’s right in law or under GI11 of R2710T.

SI08 Security Related Requirements

There are no security requirements associated with this requirement.

SI09 Web Sites

The connection to some of the Web sites in the solicitation documents is established by the use of hyperlinks. The following is a list of the addresses to the Web sites:

Buy and Sell:

<https://www.achatsetventes-buyandsell.gc.ca>

Canadian economic sanctions:

<http://www.international.gc.ca/sanctions/index.aspx?lang=eng>

Contractor Performance Evaluation Report (Form PWGSC-TSPGC 2913)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/2913.pdf>

Standard Acquisition Clauses and Conditions (SACC) Manual:

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/R>

PWGSC, Industrial Security Services:

<http://ssi-iss.tpsgc-pwgsc.gc.ca/index-eng.html>



PWGSC, Code of Conduct and Certifications:

<http://www.tpsgc-pwgsc.gc.ca/app-acq/cndt-cndct/index-eng.html>

PWGSC Consent to a Criminal Record Verification (PWGSC-TPSGC 229)

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/documents/229.pdf>

Construction and Consultant Services Contract Administration forms Real Property Contracting

<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>



SUPPLEMENTARY CONDITIONS (SC)

SC01 Security Requirements, Document Safeguarding Location

There is no security requirement applicable to this Contract.

SC02 Insurance Terms

1. Insurance Contracts

- (a) The Contractor must, at the Contractor's expense, obtain and maintain insurance contracts in accordance with the requirements of the Certificate of Insurance. Coverage must be placed with an Insurer licensed to carry out business in Canada.
- (b) Compliance with the insurance requirements does not release the Contractor from or reduce its liability under the Contract. The Contractor is responsible for deciding if additional insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any additional insurance coverage is at the Contractor's expense, and for its own benefit and protection.

2. Period of Insurance

- (a) The policies required in the Certificate of Insurance must be in force from the date of contract award and be maintained throughout the duration of the Contract.
- (b) The Contractor must be responsible to provide and maintain coverage for Products/Completed Operations hazards on its Commercial General Liability insurance policy, for a period of six (6) years beyond the date of the Certificate of Substantial Performance.

3. Proof of Insurance

- (a) Before commencement of the Work, and no later than thirty (30) days after acceptance of its bid, the Contractor must deposit with Canada a Certificate of Insurance on the form attached herein.
- (b) Upon request by Canada, the Contractor must provide originals or certified true copies of all contracts of insurance maintained by the Contractor pursuant to the Certificate of Insurance.

4. Insurance Proceeds

In the event of a claim, the Contractor must, without delay, do such things and execute such documents as are necessary to effect payment of the proceeds.

5. Deductible

The payment of monies up to the deductible amount made in satisfaction of a claim must be borne by the Contractor.

SC03 Health and Safety

The Contractor will perform the requirements of the contract in accordance with Work Safe NB, New Brunswick Regulation and the most recent edition of the Canadian Labour Code.

<http://www.worksafenb.ca/>

<http://laws-lois.justice.gc.ca/eng/acts/L-2/page-1.html>



CONTRACT DOCUMENTS (CD)

1. The following are the contract documents:
 - a) Contract Page when Signed by Canada;
 - b) Duly completed Bid and Acceptance Form and any Appendices attached thereto;
 - c) Drawings and Specifications;
 - d) General Conditions and Clauses

GC1 - General Provisions - Construction Services	R2801D	(2015-07-09)
GC2 - Administration of the Contract	R2820D	(2015-02-25)
GC3 - Execution and Control of the Work	R2830D	(2015-02-25)
GC4 - Protective Measures	R2840D	(2015-02-25)
GC5 - Terms of Payment	R2850D	(2015-02-25)
GC6 - Delays and Changes in the Work	R2860D	(2013-04-25)
GC7 - Default, Suspension or Termination of Contract	R2870D	(2008-05-12)
GC8 - Dispute Resolution	R2880D	(2015-04-01)
GC9 - Contract Security	R2890D	(2014-06-26)
GC10 - Insurance	R2990D	(2008-05-12)
Allowable Costs for Contract Changes Under GC6.4.1	R2950D	(2015-02-25)
 - e) Any amendment issued or any allowable bid revision received before the date and time set for solicitation;
 - f) Any amendment incorporated by mutual agreement between Canada and the Contractor before acceptance of the bid; and
 - g) Any amendment or variation of the contract documents that is made in accordance with the General Conditions.
2. Any document identified by title, number and date above are incorporated by reference and are set out in the Standard Acquisition Clauses and Conditions (SACC) Manual, issued by Public Works and Government Services Canada (PWGSC). The SACC Manual is available on the PWGSC Web Site:
<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>
3. The language of the contract documents is the language of the Bid and Acceptance Form submitted.



BID AND ACCEPTANCE FORM (BA)

BA01 Identification

Access Road Resurfacing, Tree Clearing and Driveway Construction

BA02 Business Name and Address of Bidder

Name: _____

Address: _____

Telephone: _____ Fax: _____ PBN: _____

BA03 The Offer

The Bidder offers to Canada to perform and complete the Work for the above named project in accordance with the Bid Documents for the Total Bid Amount of:

\$_____ excluding GST/HST
(amount in numbers)

BA04 Bid Validity Period

The bid shall not be withdrawn for a period of thirty (3) days following the date of solicitation closing.

BA05 Acceptance and Contract

Upon acceptance of the Contractor's offer by Canada, a binding Contract shall be formed between Canada and the Contractor. The documents forming the Contract shall be the contract documents identified in Contract Documents (CD).

BA06 Construction Time

The Contractor shall perform and complete the Work within three (3) months from the date of notification of acceptance of the offer.

BA07 Bid Security

The Bidder is enclosing bid security with its bid in accordance with GI08 - Bid Security Requirements of R2710T - General Instructions - Construction Services - Bid Security Requirements.

BA08 Signature

Name and Title of person authorized to sign on behalf of the Bidder (Type or print)

Signature

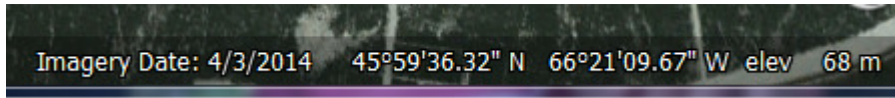
Date



APPENDIX 1 - STATEMENT OF WORK

1. Requirement

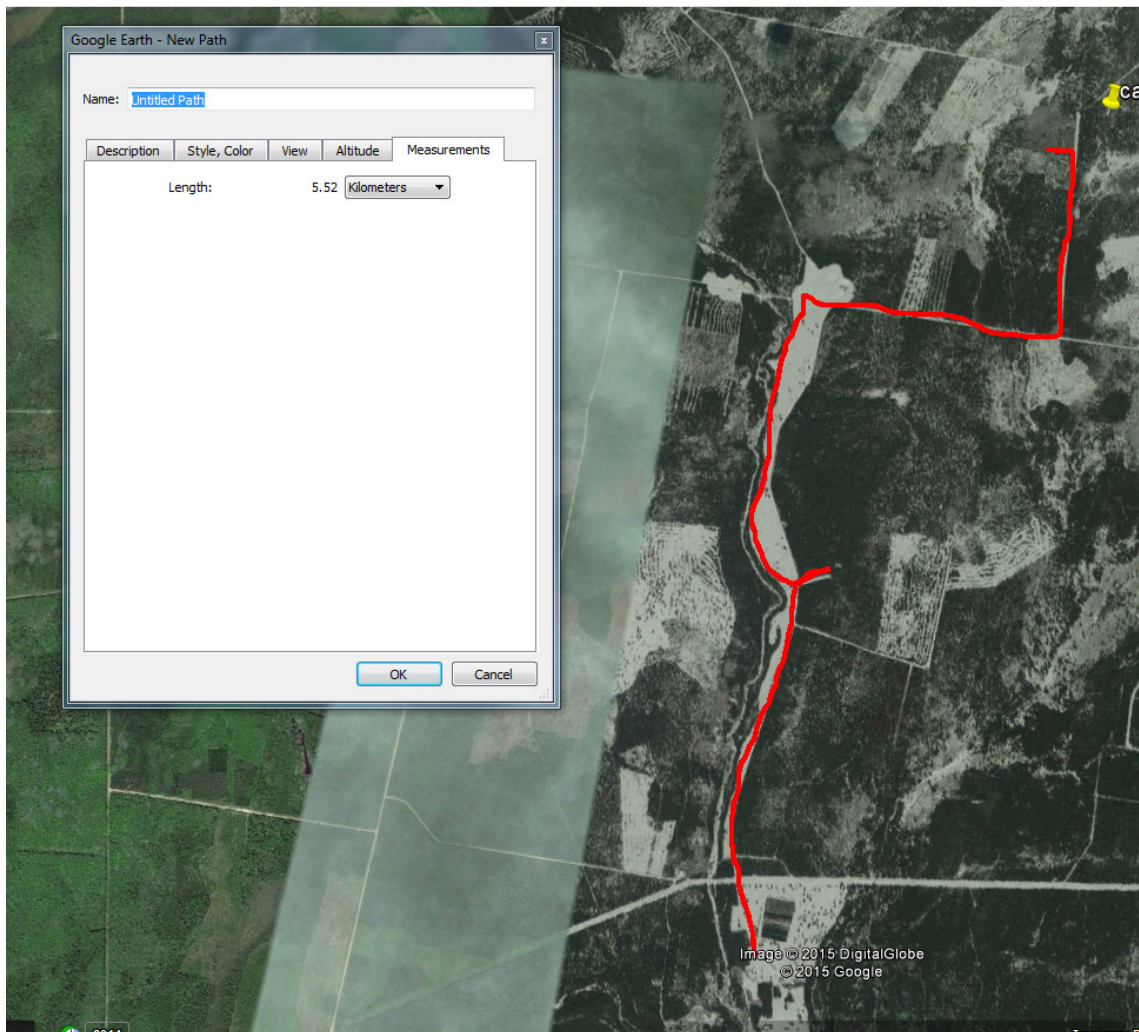
This requirement is for the installation of power lines from the Acadia Research Centre to our location at the following latitude / longitude:



200 amp services is the minimum requirement.

Installation shall comply with all local electrical codes and standards as detailed in Section 3.

Poles and power line to be installed to a site located at 5.5 km from the Acadia Forestry Centre (refer to map and coordinates provided). Poles only from the new power line to be installed at AR road 6 at the entrance to the research tower with final pole on the East side of AR road 6.





2. Health and Safety

Do the complete installation in accordance with CSA C22.1-12, Canadian Electrical Code (Part 1), Safety Standard for Electrical Installations.

3. Codes and Standards

The Contractor will perform the requirements of the contract in accordance with NB Power - Standard Construction Practices and the most recent edition of the Canadian Labour Code and the Canadian Electrical Code.

1. Do overhead work in accordance with CSA C22.3 No. 1-10, Overhead Systems.
2. If conflicts arise between codes or standards originating from different authorities claiming to have jurisdiction, the most stringent condition will apply.

4. Voltage Ratings

Use standard rural voltages, install pole transformer at site location at the end of the line to provide standard household voltages.

5. Permits, Fees and Inspection

1. In order to obtain the necessary permit, the Contractor will prepare plan drawing(s) and engineering specifications required by NB Public Safety at no cost to the NRCan.
2. Submit to NB Public Safety the necessary number of plan drawing(s) and engineering specifications for examination for approval prior to commencement of work.
3. Pay associated fees and schedule any inspections requested by NB Public Safety.
4. Notify NRCan of changes required by NB Public Safety prior to making changes.
5. Furnish Certificates of Acceptance from NB Public Safety to the NRCan upon final completion and inspection of the work.

6. Submittals - Show Drawings and Product Data

The successful contractor will submit 3 copies of shop drawings and product data for approval prior to commencing the work of the contract. Shop drawings are original or standard drawings provided by the Contractor to illustrate project specific portions of the work. Product data are catalog sheets, brochures, literature or diagrams used to illustrate standard manufactured products.

6.1 - Submittals - Health and Safety

The following are to be submitted to the Project Authority:

1. Complete Site-Specific Health and Safety Plan
2. Submit copies of reports or directions issued by federal and provincial health and safety inspectors.
3. Submit copies of incident and accident reports.



7. Warning Signs

As specified to meet requirements of NB Public Safety.

8. Field Quality Control

Conduct and pay for the following tests:

1. Power distribution system including phasing, voltage and grounding.
2. Insulation resistance testing: Megger circuits, feeders and equipment - check resistance to grounds before energizing.
3. Provide instruments, meters, equipment and personnel required to conduct tests during and at conclusion of project.
4. Submit test results to NRCan for review.

9. Scope of Work

Generally, the Contractor's work includes construction of 5km of new electrical distribution to provide 200 amp service on site. More specifically, the work includes, but is not limited to the following:

1. Provide and install wooden utility power poles.
2. Provide and install braced wooden cross-arms utility power poles if needed.
3. Provide and install galvanized anchors.
4. Provide and install down-guys.
5. Provide and install wire along the primary electrical distribution system.
6. Provide and install switchgear as required.
7. Provide transformer at site location at North end of 5Km power line.
8. Provide all hookups and ensure proper operation of the entire system.
9. Clear vegetation as required.

10. Materials

The contractor will provide and install only those materials as specified in the NB Power - Standard Construction Practices manual. No substitutions will be allowed unless approved by the Owner.

1. Poles to be NB Power standard for also having communication wires mounted.
2. Power Line Hardware: to CAN/CSA - C83.
3. Insulators: to N.B. Power Standards.
4. Galvanized Guys and Anchors: to N.B. Power standards.
5. Primary Conductors: to N.B. Power standards.
6. Fuse Cutouts: to N.B. Power standards.
7. Lightning Arresters: to N.B. Power standards.
8. Wire Connectors: to N.B. Power standards.
9. Ground Rods and Ground Connectors: to N.B. Power standards.



11. Placement of Distribution Lines

The distances referenced below are approximate are in relation to the proposed power line route (see attached image), where 0km begins at the ARF main facility.

1. Determine reasonable branch point from existing ARF power lines for new distribution lines which will permit a separate meter and will not clutter the ARF facility
2. Install lines to the west of the AR road 6 for 0km to 3km.
3. Cross transmission line at 500m to NB Power standards
4. Install sufficient poles for a future branch line which would run from the new distribution line across the road at 2.7km (driveway to research tower) and with only a single pole on research tower side of the road. Poles for road crossing must provincial highway height
5. Cross ARF road 16 with distribution lines at 3km point. Poles for road crossing must be provincial highway height. The pole at the branch to the research tower must be suitable for the installation of a pole transformer at a later date.
6. Distribution lines run along north side of ARF road 16 from ARF road 6 to road 8 extension
7. Distribution lines run along west side of ARF road 8 extension to driveway of calibration facility
8. Distribution lines enter driveway on south side and terminate at a distance of 50m from the distribution lines running along road 8 extension
9. All vegetation that needs to be removed to install power line is the responsibility of the contractor.

12. Pole Lines and Hardware Installation

1. Locate and dig pole holes. Make holes large enough to allow space for tamping backfill.
2. Set poles.
3. Set poles to maintain even grade and vertically plumb. Allow for contour of terrain and do not exceed grading of 1.5 m per pole.
4. Replace backfill in 150 mm layers. Tamp each layer, and apply final layer to drain water away from pole.
5. Locate and install guy wires and galvanized anchors at dead-ends, corner poles, and start of branch feeders.
6. Insert anchor at least 1.8 m into ground. Backfill and tamp in 150 mm layers.
7. Install hardware.

13. Forest and Vegetation Clearing

Clear trees and vegetation along route of power lines where required.



APPENDIX 2 - DEPARTMENTAL REPRESENTATIVES'S AUTHORITY

Contracting Authority is:

Name: **Valerie Holmes**
Title: Procurement Specialist
Department: Natural Resources Canada
Division: Procurement Services Unit, Finance and Procurement Branch
Telephone: (343) 292-8371
Email: Valerie.holmes@nrcan-rncan.gc.ca

To be provided at time of Contract Award:

Technical Authority is:

Name:
Title:
Department: Natural Resources Canada
Division: Earth Sciences Sector
Telephone:
Email



ANNEX "A" - CERTIFICATE OF INSURANCE

Note: Not required at solicitation closing



CERTIFICATE OF INSURANCE

Description and Location of Work Acadia Research Forest on the west side of Road 8 extension (46° 1' 43" N, 66° 21' 13"W). Burpee, New Brunswick	Contract No.
	Project No. NRCan-5000017003

Name of Insurer, Broker or Agent	Address (No., Street)	City	Province	Postal Code
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Name of Insured (Contractor)	Address (No., Street)	City	Province	Postal Code
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Additional Insured
Her Majesty the Queen in Right of Canada as represented by the Minister of Natural Resources Canada

Type of Insurance	Insurer Name and Policy Number	Inception Date D / M / Y	Expiry Date D / M / Y	Limits of Liability		
				Per Occurrence	Annual General Aggregate	Completed Operations Aggregate
Commercial General Liability Umbrella/Excess Liability				\$	\$	\$
				\$	\$	\$
				\$	\$	\$

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 coverage's stated on page 2 of this Certificate of Insurance, including advance notice of cancellation / reduction in coverage.

<input type="text"/>	<input type="text"/>
Name of person authorized to sign on behalf of Insurer(s) (Officer, Agent, Broker)	Telephone number
<hr/>	<input type="text"/>
Signature	Date D / M / Y



GENERAL

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.

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.

The insurance policies must be endorsed to provide Canada with not less than thirty (30) day's notice in writing in advance of a cancellation of insurance or any reduction in coverage.

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.

COMMERCIAL GENERAL LIABILITY

The insurance coverage provided must not be substantially less than that provided by the latest edition of IBC Form 2100.

The policy must either include or be endorsed to include coverage for the following exposures or hazards if the Work is subject thereto:

- (a) Blasting.
- (b) Pile driving and caisson work.
- (c) Underpinning.
- (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.

The policy must have the following minimum limits:

- (a) **\$5,000,000** Each Occurrence Limit;
- (b) **\$10,000,000** General Aggregate Limit per policy year if the policy contains a General Aggregate; and
- (c) **\$5,000,000** Products/Completed Operations Aggregate Limit.

Umbrella or excess liability insurance may be used to achieve the required limits.