



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government  
Services Canada/Réception des  
soumissions/Travaux publics et Services  
gouvernementaux Canada

See herein for bid submission  
instructions/

Voir la présente pour les  
instructions sur la présentation  
d'une soumission

NA

Ontario

## REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

Proposal To: Public Works and Government  
Services 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.

Proposition aux: Travaux Publics et Services  
Gouvernementaux 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 et aux annexes  
ci-jointes, les biens, services et construction énumérés  
ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

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  
Ontario Region  
10th Floor, 4900 Yonge Street  
Toronto  
Ontario  
M2N 6A6

Title - Sujet Testing Apparatus	
Solicitation No. - N° de l'invitation 23240-220829/A	Date 2022-01-14
Client Reference No. - N° de référence du client 23240-22-0829	
GETS Reference No. - N° de référence de SEAG PW-\$TOR-302-8168	
File No. - N° de dossier TOR-1-44101 (302)	CCC No./N° CCC - FMS No./N° VME
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Eastern Standard Time EST <b>on - le 2022-02-28</b> Heure Normale du l'Est HNE	
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: Berends, Robert	Buyer Id - Id de l'acheteur tor302
Telephone No. - N° de téléphone (647) 308-5031 ( )	FAX No. - N° de FAX ( ) -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Natural Resources Canada 183 Longwood Road South, Room 2-230D Hamilton, ON L8P 0A5	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	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

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Statement of Requirement**

The requirement is detailed under Article 6.2 of the resulting contract clauses.

### **1.2 Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### **1.3 epost Connect service**

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information."

### **1.4 COVID-19 vaccination requirement**

This requirement is subject to the COVID-19 Vaccination Policy for Supplier Personnel. Failure to complete and provide the COVID-19 Vaccination Requirement Certification as part of the bid will render the bid non-responsive.

## PART 2 - BIDDER INSTRUCTIONS

### 2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 90 days

### 2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the RFSO.

[TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca) (email address for epost Connect service)

**Note: Bids will not be accepted if emailed directly to this email address.** This email address is to be used to open an epost Connect conversation, as detailed in Standard Instruction [2006](#), or to send offers through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six (6) days before the Request for Proposals closing date.

Due to the nature of the Request for Standing Offers, transmission of offers by facsimile to PWGSC will not be accepted.

### 2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

## 2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

## 2.5 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
  - Office of the Procurement Ombudsman (OPO)
  - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

The bid must be gathered per section and separated as follows:

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications

#### **Section I: Technical Bid**

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

#### **Section II: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment.

#### **Section III: Certifications**

Bidders must submit the certifications and additional information required under Part 5.

## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### 4.1.1 Technical Evaluation

##### 4.1.1.1 Mandatory Technical Criteria

Table A

Req. No.	Requirement
	<b>A1 – <u>General Design Requirements (age, size, weight, safety)</u></b>
A1-1	The equipment must not be prototypes, demonstration models, used or refurbished.
A1-2	The equipment, as assembled, must be sized for placement in the first floor of CanmetMATERIALS, Room 147. The equipment's footprint must be less than 3 m (width) x 1 m (depth).
A1-3	Each piece, as delivered, must conform to the building constraints.
A1-4	The procurement must include the equipment delivery, installation, commissioning, calibration, and training.
A1-5	The Contractor must complete and submit Annex B: "Table and Notice of designated and/or hazardous substances on project" with their proposals.
	<b>A2 – <u>Facility Integration (Environment, Connection to services)</u></b>
<u>A2-1</u>	The equipment must be able to operate indoors where the ambient humidity may vary from 10% to 80% (non-condensing) and where the ambient temperature may vary from 10 °C to 35 °C.
A2-2	Equipment must be able to operate within these electrical requirements: AC110V, 1φ, 15A, electrical outlet (for main system) AC110V, 1φ, 10A, electrical outlet for PC
	<b>A3 - <u>Equipment Functional &amp; Technical Requirements</u></b>
A3-1	The system must have a function of automatic measurement of the Seebeck coefficient of both n-type or p-type material.
A3-2	The temperature gradient applied to the sample for measuring the Seebeck Coefficient shall be between 5°C and 10°C (inclusive).
A3-3	The sample accepted into the system shall be a flat sample of either a square or disc shape. Each side of the square sample needs to be at least 10mm and the disc sample needs to be at least 12.7mm in diameter.

Req. No.	Requirement
A3-4	The thickness of the sample measured by the system shall be between 0.5mm and 5mm.
A3-5	The measurement must be carried out without the use of additional tools, connector card and/or wire connections other than those internal to the system.
<b>A4 – Software and Computer Requirements</b>	
A4-1	The system shall have a control PC with software loaded into a Windows 10 operating system by Microsoft.
A4-2	The system shall have measurement software that records data and presents it in graphical and tabular format
A4-3	The instrument and software shall not require user intervention once the test is started.
A4-4	No options or add-on packages shall be required to use all possible features of the software.
A4-5	<ol style="list-style-type: none"><li>1. The measurement software must operate in an IBM compatible PC operating under Windows 10.</li><li>2. The software must provide the user the ability to plot, analyze and process data.</li><li>3. The computer used for data acquisition must have an USB connection for retrieval of data.</li></ol>
A4-6	The software shall allow data to be exported in ASCII format and one of these graphical formats: pdf, tif, jpg or bmp.

#### 4.1.2 Financial Evaluation

##### 4.1.2.1 Mandatory Financial Criteria

The Offeror must complete and submit with its offer, Annex B – Basis of Payment, in Canadian Funds. Pricing must be provided for all line items.

##### 4.1.2.1 SACC Manual Clause

SACC Manual Clause [M0220T](#) (2016-01-28) Evaluation of Price-Bid

#### 4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

## PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

### 5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

#### 5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

#### 5.1.2 COVID-19 vaccination requirement certification

In accordance with the COVID-19 Vaccination Policy for Supplier Personnel, all Bidders must provide with their bid, the COVID-19 Vaccination Requirement Certification attached to this bid solicitation, to be given further consideration in this procurement process. This Certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of any resulting Contract.

#### COVID-19 Vaccination Requirement Certification

I, \_\_\_\_\_ (first and last name), as the representative of  
\_\_\_\_\_ (name of business) pursuant to  
\_\_\_\_\_ (insert solicitation number), warrant and certify that all  
personnel that \_\_\_\_\_ (name of business) will provide on the  
resulting Contract who access federal government workplaces where they may come into contact with  
public servants will be:

- a. fully vaccinated against COVID-19;
- b. for personnel that are unable to be vaccinated due to a certified medical contraindication, religion or other prohibited grounds of discrimination under the *Canadian Human Rights Act*, subject to accommodation and mitigation measures that have been presented to and approved by Canada; or
- c. partially vaccinated against COVID-19 for a period of up to 10 weeks from the date of their first dose and subject to temporary measures that have been presented to and approved by Canada, immediately after which period the personnel will meet the conditions of (a) or (b) or will no longer access federal government workplaces where they may come into contact with public servants under this Contract;

until such time that Canada indicates that the vaccination requirements of the COVID-19 Vaccination Policy for Supplier Personnel are no longer in effect.

I certify that all personnel provided by \_\_\_\_\_ (*name of business*) have been notified of the vaccination requirements of the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel, and that the \_\_\_\_\_ (*name of business*) has certified to their compliance with this requirement.

I certify that the information provided is true as of the date indicated below and will continue to be true for the duration of the Contract. I understand that the certifications provided to Canada are subject to verification at all times. I also understand that Canada will declare a contractor in default, if a certification is found to be untrue, whether made knowingly or unknowingly, during the bid or contract period. Canada reserves the right to ask for additional information to verify the certifications. Failure to comply with any request or requirement imposed by Canada will constitute a default under the Contract.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

### Optional

For data purposes only, initial below if your business already has its own mandatory vaccination policy or requirements for employees in place. Initialing below **is not** a substitute for completing the mandatory certification above.

Initials: \_\_\_\_\_

Information you provide on this Certification Form and in accordance with the Government of Canada's COVID-19 Vaccination Policy for Supplier Personnel will be protected, used, stored and disclosed in accordance with the *Privacy Act*. Please note that you have a right to access and correct any information on your file, and you have a right to file a complaint with the Office of the Privacy Commissioner regarding the handling of your personal information. These rights also apply to all individuals who are deemed to be personnel for the purpose for the Contract and who require access to federal government workplaces where they may come into contact with public servants.

### 5.1.3 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

## PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### 6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

### 6.2 Statement of Requirement

The Contractor must provide the testing apparatus, as per Annex A, Requirement.

### 6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

#### 6.3.1 General Conditions

[2010A](#) (2021-12-02) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 6.4 Term of Contract

#### 6.4.1 Period of the Contract

The period of the Contract is from date of Contract to April 30, 2022 inclusive.

#### 6.4.2 Delivery Date

All goods must be received on or before March 21, 2022. Installation and commissioning must be completed by March 31, 2022.

## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Robert Berends  
Supply Specialist  
Public Services and Procurement Canada - Ontario Region  
10th Floor, 4900 Yonge Street, Toronto, Ontario. Canada. M2N 6A6  
Telephone: 647-308-5031  
E-mail address: [robert.berends@pwgsc-tpsgc.gc.ca](mailto:robert.berends@pwgsc-tpsgc.gc.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### 6.5.2 Project Authority

The Project Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 6.5.3 Contractor's Representative

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

## **6.6 Payment**

### **6.6.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as per Annex A, Requirement and Basis of Payment. Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work

### **6.6.2 Limitation of Price**

*SACC Manual* clause C6000C (2017-08-17) Limitation of Price

## **6.7 Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - a. The original and one (1) copy must be forwarded to the address shown in Annex A for certification and payment.  
and
  - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

## **6.8 Certifications and Additional Information**

### **6.8.1 Compliance**

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

## **6.9 Applicable Laws**

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

## 6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2021-12-02) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_.

## 6.11 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "Dispute Resolution".

## 6.12 Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

## ANNEX A

### REQUIREMENT

#### 1. Purpose of this Procurement

Natural Resources Canada – Minerals and Metals Sector – CANMET Materials ([www.nrcan-mncan.gc.ca/mms-smm/mate-mate/index-eng.htm](http://www.nrcan-mncan.gc.ca/mms-smm/mate-mate/index-eng.htm)) wishes to procure the following equipment and/or services;

The Contractor must supply a **Rapid Thermoelectric Properties Evaluation System**.

The objective of the equipment is to provide researchers with an essential tool to support the research and development of thermoelectric materials, in determining rapidly the thermoelectric properties of these materials at room temperature.

The equipment consists of all the hardware, software and service required to achieve the above objective.

##### 1.1 *Project Procurement and Installation Plan*

Specification Submitted to SSO/PWGSC for processing:

PWGSC to award contract:

Vendor to design equipment:

Vendor to build equipment:

Machine installation:

##### 2.1 Installation

###### Calibration Certification

The contractor must provide calibration and certification of calibration of the equipment.

The procurement must include a calibration report identifying and listing each measuring device that have been calibrated, the calibration range(s), and recommended frequency of calibration.

##### 3.1 *Manuals & Equipment Drawings*

The Contractor is to provide to NRCan one (1) hard copy and one (1) electronic copy, in MS Word or PDF format, of the manuals which must include, but not limited to:

- Installation and startup manuals
- Calibration Procedure and certifications
- User Manuals including electrical, hydraulic and pneumatic schematics
- OEM certifications
- Maintenance, Troubleshooting & Parts manual
- Procedure to place the system into a safe and reliable shutdown state
- Emergency procedures
- 

Manuals must be provided to NRCan in English language.

The Contractor is to provide to NRCan, electronic copies, in PDF format, of the system schematics, layouts, and equipment detail drawings.

### ***3.1 Warranty, Service, Support & Updates***

The Contractor must provide for **1-year parts and labour warranty** on the entire equipment. Warranty will begin on the day that the equipment is accepted as fully tested and operational to the satisfaction of NRCan at CanmetMATERIALS.

Purchase of the equipment must include technical support as either; regional technical support; technical phone support; or support via the Internet. Communication must begin within **72 hours** of the initial request for support.

The system provided must have spare parts and service support available for a minimum of **three (3) years** after purchase.

The Contractor must provide all software updates and new releases to the purchaser for a period of at least **one (1) year** following acceptance, at no additional cost.

Note: The word "updates" means all enhancements, extensions or other modifications to the software. The word "releases" means enhancements or modifications to the software or new modules or supplementary modules that function in conjunction with the software, that represent the next generation of software, and which the Contractor has decided to make available to its customers usually for an additional charge.

### **Acceptance Test Requirements**

The equipment as supplied and installed must pass all tests and checks as specified in "Site Acceptance Testing". Failure of any aspect of testing can result in cancellation of contract at Government of Canada discretion.

### **Building Constraints**

All building constraints must be verified against the latest version of the buildings as built drawings and specifications.

#### **1. Loading Dock Limits**

- 1.1 The pinch point for truck unloading directly from their box or flatbed is the inner door and dock leveller.
- 1.2 Overhead door 2.3m wide x 3.0m high
  - Dock floor is 1.2m below finish floor of the ground floor level.
  - Dock leveller 20 Ton capacity with platform 2.1m wide x 2.1m long + drop down lip 2.14m wide x 2.22m Deep. Hydraulic leveller range is +/- 0.3m
- 1.3 The door at the top of the ramp is 2.3m wide x 3m high.

#### **2. Elevator Limits**

- 2.1 Passenger Elevator:
  - Load Limit: 1590 kg (3500 lb).
  - Door Opening: width of 1070 mm (42") and a height of 2134 mm (84").
  - Interior Dimensions: 2030 mm (6'8") wide by 1650 mm (5'5") deep by height to suspended ceiling of 2290 mm (7'6").

## 2.2 Freight Elevator:

- Load Limit: 4545 kg (10000 lb).
- Door Opening: width of 2440 mm (8'0") and a height of 2440 mm (8'0").
- Interior Dimensions: 2440 mm (8'0") wide X 4290 mm (14'1") deep X height of 3050 mm (10'0").

## 2.3 Pallet truck Limit:

- Load Limit: 2492 kg (5500 lb).

## 3. Associated Documents

Note: the content of this section is not all inclusive. It is the responsibility of the supplier to ensure that all relevant regulations, guidelines and standards are met as it applies to this scope of work.

### 3.1 Regulations, Guidelines, and Standards

#### 3.1.1 Government of Canada

- . Canada Labour Code Part II: Occupational Health and Safety
- . Canada Occupational Health and Safety Regulations
- . Canadian Electrical Code
- . National Fire Code

#### 3.1.2 Province of Ontario

- . Occupational Health and Safety Act
- . Ontario's 2012 OH&S Act and Regulations
- . Ontario Building Code (current edition)
- . Ontario Fire Code (current edition)
- . Environmental Protection Act
- . Ontario Electrical Safety Code 25th edition

## ANNEX B

### BASIS OF PAYMENT

The equipment must be installed in Room 147, at 183 Longwood Rd. South, Hamilton, ON, L8P 0A5, Canada.

Prices are firm, all-inclusive in Canadian dollars, FOB Destination. Installation and commissioning included. Transportation charges, Travel and material cost, Customs duties and Excise taxes are included and Applicable Taxes are extra.

Item Description	Quantity	Firm Unit Price
Product Name: _____, including delivery, installation and commissioning.	1	\$ _____