



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

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

1713 Bedford Row

Halifax, N.S./Halifax, (N.É.)

Halifax

Nova Scotia

B3J 1T3

Bid Fax: (902) 496-5016

## 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

Atlantic Region Acquisitions/Région de l'Atlantique  
Acquisitions

1713 Bedford Row

Halifax, N.S./Halifax, (N.É.)

Halifax

Nova Scot

B3J 1T3

<b>Title - Sujet</b> Portable DC Load Bank	
<b>Solicitation No. - N° de l'invitation</b> W355B-192865/A	<b>Date</b> 2018-11-11
<b>Client Reference No. - N° de référence du client</b> W355B-19-2865	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$HAL-219-10553	
<b>File No. - N° de dossier</b> HAL-8-81110 (219)	<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 2019-01-03</b>	<b>Time Zone</b> <b>Fuseau horaire</b> 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> Richard, Linda K.	<b>Buyer Id - Id de l'acheteur</b> hal219
<b>Telephone No. - N° de téléphone</b> (902) 402-9059 ( )	<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> DEPARTMENT OF NATIONAL DEFENCE BLDG D200, FINANCE 3RD FLOOR STN FORCES HALIFAX NOVA SCOTIA B3K5X5 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

1. At the date of bid closing, the following conditions must be met:
  - (a) the Bidder must hold a valid organization security clearance as indicated in Part 6 - Resulting Contract Clauses;
  - (b) the Bidder's proposed individuals requiring access to classified or protected information, assets or sensitive work sites must meet the security requirements as indicated in Part 6 - Resulting Contract Clauses;
  - (c) the Bidder must provide the name of all individuals who will require access to classified or protected information, assets or sensitive work sites;
2. For additional information on security requirements, Bidders should refer to the [Contract Security Program of Public Works and Government Services Canada](http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/esc-src/introduction-eng.html>) website.

### **1.2 Requirement**

The requirement is detailed in Annex "A" – Requirement.

### **1.3 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.

### **1.4 Trade Agreements**

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA).

### **1.5 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.

## **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](#) (2018-05-22) 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 in the bid solicitation.

Email address for the ePost Connect service is as follows:

[TPSGC.RARceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RARceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca)

Bids/Offer will be not be accepted if emailed directly to this email address. This email is to initiate an ePost Connect conversation, as detailed in the Standard Instructions.

### **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than five (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 \_\_\_\_\_ (*insert the name of the province or territory*).

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.

## PART 3 - BID PREPARATION INSTRUCTIONS

### 3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. Bidders must provide their bid in a single transmission. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

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

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications  
Section IV: Additional Information

- If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)  
Section II: Financial Bid (1 hard copy)  
Section III: Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

- If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:

- use 8.5 x 11 inch (216 mm x 279 mm) paper;
- use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

### **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.

#### **3.1.1 Electronic Payment of Invoices – Bid**

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “E” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “E” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

### **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**

Proposals which do not meet all of the Mandatory Technical Requirements at the bid closing will be considered to be non-compliant and will be given no further consideration. The evaluation will only be

based on the information provided with the bid. References to Internet sites or information that is not included will not be evaluated.

#### 4.1.1.1 Mandatory Technical Criteria

The Bidder must provide equipment literature to prove that the equipment complies with each and every one of the Mandatory Technical Specifications specified in Annex A, Requirement. Simply stating "yes" or "compliant" will not be sufficient for the purpose of this evaluation. Failure to meet the requirements of all of the Mandatory Technical Specifications will result in the bid being declared as non-responsive.

Proof can be provided in the form of equipment literature, brochure, engineering drawing, specification of the product or written narrative which clearly demonstrates how the proposed goods meet each and every one of the Mandatory Technical Specifications.

**The Bidder must reference the page number and section of the submitted literature which proves their proposal complies with each and every one of the Mandatory Technical Specifications in Annex A.**

#### 4.1.2 Financial Evaluation

SACC Manual Clause [A0220T](#) (2014-06-26), Evaluation of Price

#### 4.2 Basis of Selection

A bid must comply with all requirements of the bid solicitation 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.



### 5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

### 5.2.2 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** The following security requirements (SRCL and related clauses provided by the Contract Security Program) apply and form part of the Contract.

The Contractor/Offeror must, at all times during the performance of the Contract/Standing Offer, hold a valid Designated Organization Screening (DOS), issued by the Canadian Industrial Security Directorate (CISD), Public Works and Government Services Canada (PWGSC).

2. The Contractor/Offeror personnel requiring access to sensitive work site(s) must EACH hold a valid **RELIABILITY STATUS**, granted or approved by CISD/PWGSC.
3. Subcontracts which contain security requirements are NOT to be awarded without the prior written permission of CISD/PWGSC.
4. The Contractor/Offeror must comply with the provisions of the:
  - a) Security Requirements Check List and security guide (if applicable), attached at Annex C;
  - b) *Industrial Security Manual* (Latest Edition).

## 6.2 Requirement

The Contractor must provide the items detailed in the Requirement at Annex "A".

## 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](#) (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

## 6.4 Term of Contract

### 6.4.1 Delivery Date

While delivery is requested as soon as possible ARO, mandatory delivery is required by March 30, 2019. Your anticipated delivery date is requested here: \_\_\_\_\_ (**bidders please enter date**).

### 6.4.2 Shipping

Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP), FMF Cape Scott, Maritime Forces Atlantic, Halifax, NS, Incoterms 2000 for shipments from a commercial contractor.

## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name:	Linda Richard
Title:	Supply Specialist Public Works and Government Services Canada Acquisitions Branch
Address:	1713 Bedford Row Halifax, NS B3J 1T3
Telephone:	(902) 402-9059
Facsimile:	(902) 496-5016
E-mail address:	<a href="mailto:linda.k.richard@pwgsc.gc.ca">linda.k.richard@pwgsc.gc.ca</a>

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 (to be named upon award of contract):

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 (please complete)

Title: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

E-mail address: \_\_\_\_\_

## 6.7 Payment

### 6.7.1 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 specified in Annex B for a cost of \$ \_\_\_\_\_ (insert the amount at contract award). 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.

### 6.7.2 Limitation of Price

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

### 6.7.3 Single Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

#### **6.7.4 Procedures for Design Change/Deviations**

The Contractor must complete Part 1 of the Design Change/Deviation form DND 672 and forward two (2) copies to the Technical Authority and one (1) copy to the Contracting Authority.

The Contractor will be authorized to proceed upon receipt of the design change/deviation form signed by the Contracting Authority. A contract amendment will be issued to incorporate the design change/deviation in the Contract.

#### **6.7.5 Electronic Payment of Invoices – Contract**

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

#### **6.8 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 two (2) copies must be forwarded to the address shown on page 1 of the Contract for certification and payment.

#### **6.9 Certifications and Additional Information**

##### **6.9.1 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.

#### **6.10 Applicable Laws**

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

#### **6.11 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 (2018-06-21), General Conditions - Goods (Medium Complexity)
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment
- (e) Annex C, Security Requirements Check List;
- (f) the Contractor's bid dated \_\_\_\_\_ (*insert date of bid*)

## 6.12 Defence Contract

SACC *Manual* clause A9006C (2012-07-16) Defence Contract

## 6.13 SACC *Manual* Clauses

B1501C	Electrical Equipment	2018-06-21
B4058C	Publications – Specifications and Standards	2014-06-26
G1005C	Insurance	2016-01-28
D2000C	Marking	2007-11-30

## **ANNEX "A"**

### **REQUIREMENT**

#### **Purchase Description:**

The Department of Defence (DND) has a requirement for the supply, installation, and training of one (1) Portable DC Resistive Load Bank, with an option to purchase a second if required within one year of accepting the first for Fleet Maintenance Facility Cape Scott (FMF CS).

#### **General Description:**

The Portable DC Resistive Load Bank will be replacing the existing, non-serviceable equipment we currently have.

Canada reserves the right to verify that all of the mandatory specifications are met prior to the award of the contract. This verification shall include technical information from a submitted equipment brochure.

Specifications found not to meet this requirement will result in a non-compliant bid, and if found after contract award may result in termination of the contract.

All material and equipment must be new and free from damage. Any materials or equipment believed to be previously used and/or damaged will be denied and returned.

#### **Provide items with the following specifications:**

##### **1. One (1) Portable DC Load Bank**

- a. Unit's electrical design must be approved by a licensed/certified professional electrical engineer.
- b. Unit must be designed to produce a constant current/power load with the following minimum capacities:
  - i. 1800 kW at 480 VDC (3750 Amps)
  - ii. 1800 kW at 720 VDC (2500 Amps)
  - iii. 1800 kW at 1000 VDC (1800 Amps)
- c. Unit must have a minimum load step resolution of 2.5kW, and a maximum load step of 250kW. Unit must be able to achieve any load from 0-1800 kW with a minimum resolution of 2.5 kW. Each load step must have branch circuit fuse protection. The fuse must be 200K Amp Interrupting Capacity (AIC) type.

- 
- d. Unit must be fitted with a cooling system rated for a minimum ambient temperature of 40°C (104°F). Resistive load elements must be entirely exposed to the airflow generated by the cooling fan(s).
  - e. Unit must be fitted with the following protective shutoff devices:
    - i. Automatic fan and airflow failure shutoff
    - ii. Automatic overheating shutoff
    - iii. Manual emergency stop self-locking button on remote control panel and on load bank to shut down all loads instantly
  - f. Unit must be designed to operate in ambient temperatures between -40°C to +40°C in a marine saltwater environment.
  - g. Entire unit must not exceed the following:
    - i. Length: 6100 mm (20 ft.)
    - ii. Width: 2440 mm (8 ft.)
    - iii. Weight: 9090 kg (20,000 lbs)

**This footprint and weight must include storage requirements for the control panel, control cable, tarp cover, and auxiliary power cable.**
  - h. Load bank enclosure must have an IP22 rating when in operation, and an IP44 rating when not in operation, at a minimum. Electrical enclosures and junction boxes must have an NEMA 3R rating, at a minimum. Circuit boards and control circuits must be mounted in a NEMA 3R enclosure, at a minimum.
  - i. The exterior of the unit must be finished with a high quality exterior rated type paint, epoxy, powder coat, or other finish. All exposed surfaces must be coated and protected from corrosion.
  - j. Enclosure must be fitted with fork lifting pockets and crane lifting lugs. Safe lifting points and center of gravity for the unit must be identified on the unit. Unit must have securing points for shipment on road, rail, air, and sea. Unit must be designed to withstand shock and vibration to the unit during transportation.
  - k. Resistive load elements inside the unit must be manufactured from a corrosion resistant nickel/chromium alloy wire.
  - l. Resistive load elements inside the unit must be fully supported across their entire length. Materials in direct contact with resistors must be ceramic insulators. Resistor supports must be designed to prevent a short circuit to adjacent resistors or to the ground.
  - m. Unit must be fitted with a load connection box with sufficient spacing to connect ten (10) 444 MCM DLO 1000 V cables to the positive busbar using lugs (0.5 in. bolt size) and ten (10) 444 MCM DLO 1000 V cables to the negative busbar using lugs

(0.5 in. bolt size). Provisions must be made to route these cables to busbars through the enclosure.

- n. Unit must be equipped with a common grounding point to electrically ground the entire system.
- o. Unit must have a portable/remote control panel to control the load bank via control cables from a distance of 60 m. Control cable must be supplied with the unit. Control cable must be replaceable.
- p. Portable control panel must have an NEMA 3R rating, at a minimum. Control panel must have a carrying handle. It is acceptable for control panel to be stored in minimum NEMA 3R case with a carrying handle.
- q. Portable control panel must be able to be brought onboard a Victoria Class submarine. Portable control panel must not exceed the following:
  - i. Dimensions (while being transported/stored): 508 mm x 508 mm x 254 mm (20 in x 20 in x 10 in)
  - ii. Weight (including carrying case): 15 kg (33 lbs)
- r. Portable control panel must have separate displays and data acquisition for the following parameters:
  - i. DC current
  - ii. Voltage
  - iii. Kilowatts
  - iv. Maximum voltage
  - v. Transient load response time of voltage, recorded at each load change

**These parameters must be measured at the load bank bus bars, with a minimum displayed accuracy of 0.5%.**
- s. Portable control panel must have the following switches/buttons:
  - i. Main Power ON/OFF
  - ii. Master Load ON/OFF
  - iii. Emergency Stop with self-locking button
- t. Portable control panel must have the following indicator lights:
  - i. Main Power On
  - ii. Blower On
  - iii. Airflow Failure
  - iv. Overheating
  - v. Power On for each individual load step
- u. Portable control panel must operate on and come installed with Windows 7 operating system if the control panel is a laptop or PC type computer.



- v. Unit must have an auxiliary heater/dehumidifier to prevent build-up of condensation while not in operation. Heater/dehumidifier should operate on 120 V, 60 Hz, 1 phase power.
- w. Heater/dehumidified must be equipped with dedicated power cable(s) with a NEMA 5-15 connector. Each cable should be able to connect to a standard 120 V, 1 Phase, 15 Amp outlet.
- x. Unit's cooling system must use auxiliary power supply of 460 V, 3 phase, 60 Hz. Up to four (4) 100 A receptacles are available at FMF CS for the cooling system to be plugged into.
- y. Unit must have a 35 m SOOW (Service cord, Oil Resistant Outer Jacket and Insulation, Weather and Water Resistant) type cable(s) to connect to auxiliary power. Russellstoll connector catalogue #DS1404MP must be installed on the supply end of cable.
- z. Unit must have factory testing/acceptance completed prior to delivery to DND.
- aa. Operating instruction labels must be clearly identified and printed in English.
- bb. Vendor must provide operator and maintenance training for a minimum of 3 days for 8 hours per day between 7:45 AM and 4:15 PM AT. Training will be onsite at FMF CS part of CFB Halifax located in Nova Scotia, Canada. Training must cover operation, set-up, user calibration parameters, and maintenance and service requirements.
- cc. The supplied unit as a whole must include a minimum of 12 months full parts and labour warranty. Warranty period must begin following training and commissioning. Full parts is defined as non-consumable parts.
- dd. The unit should have all the operator controls located on one side of the unit. Controls should be ergonomically located and within easy reach without requiring the operator to move to multiple locations on the unit.
- ee. To prevent damage during movement, all controls, connection points, and electrical connections should be located within the perimeter of the units frame. This should be shown and indicated on the required proposed layout plan to be submitted with tender.

## 2. Software

- a. Include one (1) licensed copy of the software to be installed on FMFCS's Plant Maintenance laptop computer to be used to interface with the controller in the PLC.

- 
- b. Include a USB cable with the appropriate connector to interface with the PLC.

### 3. Three (3) Hard Copies of each Manual

- a. Operators manual
- b. Maintenance manual
- c. Complete electrical and mechanical schematics
- d. Recommended spare parts and full parts list
- e. Recommended maintenance routines

### 4. Material and Workmanship

- a. **Safety Devices** - The machine and its controls must be equipped with the latest and most efficient devices for the protection of the operator and equipment. Covers, guards and/or other safety devices shall not interfere with the operation of the machine. Safety mechanisms such as limit switches, positive stops, overload protection devices and warning lights shall protect the equipment against overload, over-travel or malfunction of the machine or its components.
- b. **Lubrication** - All enclosed, rotating and sliding components must be adequately lubricated. Each lubrication reservoir, if so equipped, must be fitted with a sight glass or other means to determine fluid levels.
- c. **Interchangeability** - To provide for replacement of worn parts, all parts bearing the same part number shall be functionally interchangeable and shall be dimensionally identical within specified tolerance limits in use by the manufacturer.
- d. **Construction** - The machine must be so constructed that when it is installed and connected to power it will be ready for operation. The machine must be constructed of new parts which are without defects and free of repairs.
- e. **Casting and Forging** - All castings and forgings must be free of defects, scale and mismatching. Welding, peening, plugging or filling with metallic paste will not be used for reclaiming any defective part for use in the machine.
- f. **Welding, Brazing or Soldering** - Welding, brazing, or soldering will be utilized where specified in the machine design. None of these processes will be used as a repair measure for defective parts.
- g. **Fastening Devices** - All screws, bolts, pins and similar parts must be installed in such a manner as to prevent any change in tightness. Those subject to removal must not be swaged, peened, staked or otherwise permanently deformed.
- h. **Surfaces** - All surfaces of casting and forgings, molded parts, stampings and weldments must be cleaned and free from sand, dirt, sprues, flash, scale, flux and other harmful or extraneous material. External surface edges must be either rounded or beveled unless sharpness is required to perform a necessary function. Unless as otherwise specified herein, the condition and finish of all surfaces must be commensurate with the manufacturer's standard commercial practice.

- i. **Painting** - All exterior and interior surfaces of the machine and its components which are not otherwise finished and for which a painted surface is suitable must be prepared and painted with synthetic enamel by the manufacturer using their standard commercial practice. The interior of gear cases, cast-in reservoirs and similar areas must have an oil resistant surface. All other accessible interior areas must be coated with a sealed, rust resistant paint.
- j. **Lubrication Chart/Plate** - A lubrication chart or plate must be securely attached to the machine if routine lubrication is required. The following information must be contained on this chart or plate:
  - i. Points of lubrications
  - ii. Service interval
  - iii. Type of lubricant
  - iv. Viscosity
- k. **Lubricants** - Lubricant types must be identified in the machine maintenance manual and be specified by one or more of the following:
  - i. Detailed performance specification
  - ii. Brand name with a minimum of three (3) manufacturers recommended for each application from any oil company having outlets in Canada
- l. **Plates** - All words indicating speed, machine settings and instruction plates must be written in the English language, engraved, embossed or stamped in bold face, with a contrasting finish, easily read by the operator.

## 5. Delivery, Installation and Commissioning

- a. Fleet Maintenance Facility Cape Scott (FMFCS) requires a "Turnkey" installation. All work is to be done during the normal work week (Monday through Friday) and business hours (0800 to 1615 hrs.). The following is a description of the responsibilities for both FMFCS and the Contractor:

## 6. Fleet Maintenance Facility Cape Scott (FMFCS) Responsibilities

- a. FMFCS will have the installation area cleared of all non-essential material.
- b. FMFCS will provide riggers, crane operator and outside crane (19,800 lb. capacity) using the equipment manufactures accepted lifting procedure. If the load weight exceeds the outside crane capacity, FMFCS will supply a mobile crane with the required lifting capacity, and FMFCS will lift the machine from the delivery vehicle and move it to a temporary location outside of the building and then into the building.
- c. FMFCS will use an inside gantry crane (20,000 lb. capacity) and follow the manufactures accepted lifting procedure for movement of the equipment into a temporary location at CFB Halifax Dockyard.

- d. FMFCS will provide lift and moving from that temporary location to the equipment's final location, this will also include lifting and moving of the machine and moving back into the machine's final position after the contractor completes the necessary floor work (core drilling, placing machine anchors, running conduit and services, etc.).

## **7. Contractor's responsibilities:**

- a. All persons in the Industrial Electrician and Industrial Mechanic (Millwright) trades employed by the contractor to work on this installation of the equipment must have journey person status; the exception is that all Industrial Electrician and Industrial Mechanical trade apprentices shall only be utilized when working directly with a journey person in their respective trades. The contractor must, as part of the bid submission, submit documentation clearly indicating the contractor's experience, in provision of electrical, mechanical and millwright services. Submission is to include the journey person(s) trade certificates and their experience as the contractor's personnel. Related training and formal courses taken by personnel must accompany the contractor's documentation.
- b. Delivery to Building D200 Fleet Maintenance Facility Cape Scott (FMFCS), CFB Halifax, Nova Scotia B3K 5X5.
- c. A Hazard assessment and contractor health and safety plan must be submitted to Fleet Maintenance Facility Cape Scott (FMFCS) Project manager prior to work beginning.
- d. Give all notices, obtain all permits and approvals, and pay all necessary fees in order to carry out the specified work.
- e. The contractor will be responsible for disposing of all waste materials and debris, generated by the contractor, this responsibility includes all shipping pallets, crate covers and crate contents (bracing, shipping insulation etc.).
- f. The installation must include unpacking, delivery inspection, cleaning, levelling, all electrical connections etc. (this may require core drilling for electrical, compressed air etc. (all other services required by the machine) and securing the machine to shop floor with chemical anchors (contractor's responsibility to supply and install as per manufacturer's instructions c/w levelling pads and hold down clamps and studs/nuts). Supply and install electrical wiring to FMFCS specified electrical panel. The contractor will supply, install and connect all necessary transformers, wiring, conduits, electrical control panel circuit breakers, accessory piping: compressed air, water lines etc. as required by the machine.
- g. Installation must be as per the latest Canadian Electrical Code (CEC).

- h. Equipment must be commissioned and set to work by the contractor.
- i. After the contractors and FMFCS final acceptance of the installation, start up and maintenance and operator training as per paragraph 1.bb, will commence.

**NOTE:** Canada reserves the right to verify that all of the mandatory specifications are met prior to the award of contract. This verification shall include technical information from a submitted Machine Tool Manufacturers brochure. Technical information that cannot be verified from the submitted brochure must have an accompanying letter signed by a Professional Engineer employed by the Machine Tool Manufacture verifying the technical information.

## 8. Delivery

- a. Delivery is MANDATORY by March 30, 2019. If delivery cannot be met, the contract will be terminated.

## 9. Warranty

- a. The equipment must be guaranteed to be free from manufacturing and operational defects for a period of twelve (12) months from the date it was set-to-work by the contractor's representative and accepted as operationally satisfactory by the FMFCS Industrial Engineering Officer or designated representative. The contractor must be responsible for the provision of labour, parts, and field service at their own expense during the term of the warranty period and will make good all defects within ten (10) days of being informed of the defect. All other warranties over and above those specified service herein shall be considered valid.

## 10. Certification

- a. **Equipment, as an assembled unit must be certified by an acceptable Certification Organization, and bear a label from a recognized organization on or near the name plate of the assembled machine.** The following Certification Organizations are acceptable. The electrical control must bear a label from one of these organizations in order to be recognized as approved:
  - i. Canadian Standards Association (CSA)
  - ii. Entela
  - iii. Intertek Testing Services
  - iv. ETL Testing Laboratories
  - v. Warnock Hersey (WH)
  - vi. Underwriters Laboratories of Canada (ULC)
  - vii. Underwriters Laboratories Inc. (UL)
  - viii. MET Laboratories Inc. (MET)
  - ix. TUV Rheinland of North America
  - x. Quality Auditing Institute (QAI)
  - xi. TUV America Inc.
  - xii. Factory Mutual (FM) Approvals

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xiii. Omni-Test Laboratories Inc.

xiv. Curtis-Straus LLC

NOTE: Labels from all Organizations above (with the exception of CSA and ULC), must be accompanied by a small "c" at the eight o'clock position or Canadian Standard number to indicate the product has been certified to the Canadian Standard.

Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labelled by the Canadian Standards Association (CSA), QPS/Entela, Intertek Testing Services, MET Laboratories, TUV America Inc., Underwriters Laboratories of Canada under the Special Inspection Program. **This inspection must take place before equipment delivery to FMF Cape Scott and a copy of verification documentation report must accompany the machine with delivery.** Identify which Organization shall be used:

- Canadian Standards Association (CSA),
- QPS/Entela,
- Intertek Testing Services,
- Met Laboratories Inc. (MET),
- TUV America Inc.,
- Underwriters Laboratories of Canada (ULC).
- ESA Electrical Safety Authority

## ANNEX "B"

### BASIS OF PAYMENT

The prices are in Canadian dollars, the Goods and Services Tax or the Harmonized Sales Tax excluded, DDP Incoterms 2000, Canadian Customs Duties Taxes included.

ITEM	U of I	QTY	UNIT PRICE	EXTENDED
Portable DC Load Bank as fully detailed in Annex B <b>Make and Model:</b>	EA	1		
Installation	EA	1		
Training	EA	1		
			<b>TOTAL</b>	

### OPTIONAL PURCHASE (WITHIN ONE YEAR OF CONTRACT DATE)

ITEM	U of I	QTY	UNIT PRICE	EXTENDED
Portable DC Load Bank as fully detailed in Annex B <b>Make and Model:</b>	EA	1		
Installation	EA	1		
Training	EA	1		
			<b>TOTAL</b>	

Solicitation No. - N° de l'invitation

**W355B-192865**

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

**W355B-19-2865**

Amd. No. - N° de la modif.

File No. - N° du dossier  
**HAL-8-81110**

Buyer ID - Id de l'acheteur

**HAL219**

CCC No./N° CCC - FMS No./N° VME

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## **ANNEX "C"**

### **SECURITY REQUIREMENTS CHECK LIST**

Please see attached



## ANNEX "D"

### MANDATORY TECHNICAL REQUIREMENTS CROSS-REFERENCE

#### THIS FORM MUST BE COMPLETED AND SUBMITTED WITH YOUR BID.

**Instructions:** Bidders must indicate whether or not they comply with the Mandatory Technical Criteria. Bidders should include two (2) copies of descriptive literature; if available, for the item(s) offered in sufficient detail to clearly indicate compliance with each of the individual requirements from the Mandatory Technical Criteria detailed herein.

Bidders should comment /cross reference the page number and highlight the specification in your technical data sheets or brochure to demonstrate and support your compliance for each of the Mandatory Technical Criteria.

The Bidder must address each Mandatory Technical Criteria listed below and must indicate whether the product/service offered "Meets" or "Does Not Meet".

By submitting Annex "C" Mandatory Technical Criteria, the bidder certifies the product they are offering meets and will be built as per the Mandatory Technical Criteria.

It will be to your advantage to furnish as much detail as possible to support your comments and your claims of compliance for each specification.

**NOTE:** The Crown is under NO obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Failure to meet any of the following will render your proposal non-compliant and will be given no further consideration.

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS REFERENCE
		MEET	DOES NOT MEET	
1	a. Unit's electrical design must be approved by a licensed/certified professional electrical engineer.			
	b. Unit must be designed to produce a constant current/power load with the following minimum capacities:			
	i. 1800 kW at 480 VDC (3750 Amps)			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS
	ii. 1800 kW at 720 VDC (2500 Amps)			
	iii. 1800 kW at 1000 VDC (1800 Amps)			
	c. Unit must have a minimum load step resolution of 2.5kW, and a maximum load step of 250kW. Unit must be able to achieve any load from 0-1800 kW with a minimum resolution of 2.5 kW. Each load step must have branch circuit fuse protection. The fuse must be 200K Amp Interrupting Capacity (AIC) type.			
	d. Unit must be fitted with a cooling system rated for a minimum ambient temperature of 40°C (104°F). Resistive load elements must be entirely exposed to the airflow generated by the cooling fan(s).			
	e. Unit must be fitted with the following protective shutoff devices:			
	i. Automatic fan and airflow failure shutoff			
	ii. Automatic overheating shutoff			
	iii. Manual emergency stop self-locking button on remote control panel and on load bank to shut down all loads instantly			
	f. Unit must be designed to operate in ambient temperatures between -40°C to +40°C in a marine saltwater environment.			
	g. Entire unit must not exceed the following:			
	i. Length: 6100 mm (20 ft.)			
	ii. Width: 2440 mm (8 ft.)			
	iii. Weight: 9090 kg (20,000 lbs)			
	<b>This footprint and weight must include storage requirements for the control panel, control cable, tarp cover, and auxiliary power cable.</b>			
	h. Load bank enclosure must have an IP22 rating when in operation, and an IP44 rating when not in operation, at a minimum. Electrical enclosures and junction boxes must have an NEMA 3R rating, at a minimum. Circuit boards and control circuits must be mounted in a NEMA 3R enclosure, at a minimum.			
	i. The exterior of the unit must be finished with a high quality exterior rated type paint, epoxy, powder coat, or other finish. All exposed surfaces must be coated and protected from corrosion.			
	j. Enclosure must be fitted with fork lifting pockets and crane lifting lugs. Safe lifting points and center of gravity for the unit must be identified on the unit. Unit must have securing points for shipment on road, rail, air, and sea. Unit must be designed to withstand shock and vibration to the unit during transportation.			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS
	k. Resistive load elements inside the unit must be manufactured from a corrosion resistant nickel/chromium alloy wire.			
	l. Resistive load elements inside the unit must be fully supported across their entire length. Materials in direct contact with resistors must be ceramic insulators. Resistor supports must be designed to prevent a short circuit to adjacent resistors or to the ground.			
	m. Unit must be fitted with a load connection box with sufficient spacing to connect ten (10) 444 MCM DLO 1000 V cables to the positive busbar using lugs (0.5 in. bolt size) and ten (10) 444 MCM DLO 1000 V cables to the negative busbar using lugs (0.5 in. bolt size). Provisions must be made to route these cables to busbars through the enclosure.			
	n. Unit must be equipped with a common grounding point to electrically ground the entire system.			
	o. Unit must have a portable/remote control panel to control the load bank via control cables from a distance of 60 m. Control cable must be supplied with the unit. Control cable must be replaceable.			
	p. Portable control panel must have an NEMA 3R rating, at a minimum. Control panel must have a carrying handle. It is acceptable for control panel to be stored in minimum NEMA 3R case with a carrying handle.			
	q. Portable control panel must be able to be brought onboard a Victoria Class submarine. Portable control panel must not exceed the following:			
	i. Dimensions (while being transported/stored): 508 mm x 508 mm x 254 mm (20 in x 20 in x 10 in)			
	ii. Weight (including carrying case): 15 kg (33 lbs)			
	r. Portable control panel must have separate displays and data acquisition for the following parameters:			
	i. DC current			
	ii. Voltage			
	iii. Kilowatts			
	iv. Maximum voltage			
	v. Transient load response time of voltage, recorded at each load change			
	<b>These parameters must be measured at the load bank bus bars, with a minimum displayed accuracy of 0.5%.</b>			
	s. Portable control panel must have the following switches/buttons:			
	i. Main Power ON/OFF			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS
	ii. Master Load ON/OFF			
	iii. Emergency Stop with self-locking button			
	p. Portable control panel must have the following indicator lights:			
	i. Main Power On			
	ii. Blower On			
	iii. Airflow Failure			
	iv. Overheating			
	v. Power On for each individual load step			
	t. Portable control panel must operate on and come installed with Windows 7 operating system if the control panel is a laptop or PC type computer.			
	u. Unit must have an auxiliary heater/dehumidifier to prevent build-up of condensation while not in operation. Heater/dehumidifier should operate on 120 V, 60 Hz, 1 phase power.			
	w. Heater/dehumidified must be equipped with dedicated power cable(s) with a NEMA 5-15 connector. Each cable should be able to connect to a standard 120 V, 1 Phase, 15 Amp outlet.			
	x. Unit's cooling system must use auxiliary power supply of 460 V, 3 phase, 60 Hz. Up to four (4) 100 A receptacles are available at FMF CS for the cooling system to be plugged into.			
	y. Unit must have a 35 m SOOW (Service cord, Oil Resistant Outer Jacket and Insulation, Weather and Water Resistant) type cable(s) to connect to auxiliary power. Russellstoll connector catalogue #DS1404MP must be installed on the supply end of cable.			
	z. Unit must have factory testing/acceptance completed prior to delivery to DND.			
	aa. Operating instruction labels must be clearly identified and printed in English.			
	bb. Vendor must provide operator and maintenance training for a minimum of 3 days for 8 hours per day between 7:45 AM and 4:15 PM AT. Training will be onsite at FMF CS part of CFB Halifax located in Nova Scotia, Canada. Training must cover operation, set-up, user calibration parameters, and maintenance and service requirements.			
	cc. The supplied unit as a whole must include a minimum of 12 months full parts and labour warranty. Warranty period must begin following training and commissioning. Full parts is defined as non-consumable parts.			

NO.	SPECIFICATIONS	COMPLIANCE		COMMENT(S)/CROSS
	dd. The unit should have all the operator controls located on one side of the unit. Controls should be ergonomically located and within easy reach without requiring the operator to move to multiple locations on the unit.			
	ee. To prevent damage during movement, all controls, connection points, and electrical connections should be located within the perimeter of the units frame. This should be shown and indicated on the required proposed layout plan to be submitted with tender.			
2	Software			
3	Three (3) Hard Copies of each Manual			
4.a.	Safety Devices			
4.b.	Lubrication			
4.c.	Interchangeability			
4.d.	Construction			
4.e.	Casting and Forging			
4.f.	Welding, Brazing or Soldering			
4.g.	Fastening Devices			
4.h.	Surfaces			
4.i.	Painting			
4.j.	Lubrication Chart/Plate			
4.k.	Lubricants			
4.l.	Plates			
7	Contractor's responsibilities:			
8	Delivery			
9	Warranty			
10	Electrical Certification			

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## **ANNEX “E” to PART 3 OF THE BID SOLICITATION**

### **ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ☐ ( ) VISA Acquisition Card;
- ☐ ( ) MasterCard Acquisition Card;
- ☐ ( ) Direct Deposit (Domestic and International);
- ☐ ( ) Electronic Data Interchange (EDI);
- ☐ ( ) Wire Transfer (International Only);
- ☐ ( ) Large Value Transfer System (LVTS) (Over \$25M)







**PART A (continued) / PARTIE A (suite)**

8. Will the supplier require access to PROTECTED and/or CLASSIFIED COMSEC information or assets?  
Le fournisseur aura-t-il accès à des renseignements ou à des biens COMSEC désignés PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes  
Non Oui

If Yes, indicate the level of sensitivity:

Dans l'affirmative, indiquer le niveau de sensibilité :

9. Will the supplier require access to extremely sensitive INFOSEC information or assets?  
Le fournisseur aura-t-il accès à des renseignements ou à des biens INFOSEC de nature extrêmement délicate? ☒ No ☐ Yes  
Non Oui

Short Title(s) of material / Titre(s) abrégé(s) du matériel :

Document Number / Numéro du document :

**PART B - PERSONNEL (SUPPLIER) / PARTIE B - PERSONNEL (FOURNISSEUR)**

10. a) Personnel security screening level required / Niveau de contrôle de la sécurité du personnel requis

- |   |   |   |  |
|---|---|---|--|
| <input checked="" type="checkbox"/> RELIABILITY STATUS<br>COTE DE FIABILITÉ | <input type="checkbox"/> CONFIDENTIAL<br>CONFIDENTIEL           | <input type="checkbox"/> SECRET<br>SECRET           | <input type="checkbox"/> TOP SECRET<br>TRÈS SECRET               |
| <input type="checkbox"/> TOP SECRET- SIGINT<br>TRÈS SECRET - SIGINT         | <input type="checkbox"/> NATO CONFIDENTIAL<br>NATO CONFIDENTIEL | <input type="checkbox"/> NATO SECRET<br>NATO SECRET | <input type="checkbox"/> COSMIC TOP SECRET<br>COSMIC TRÈS SECRET |
| <input type="checkbox"/> SITE ACCESS<br>ACCÈS AUX EMPLACEMENTS              |   |   |  |

Special comments:

Commentaires spéciaux :

NOTE: If multiple levels of screening are identified, a Security Classification Guide must be provided.

REMARQUE : Si plusieurs niveaux de contrôle de sécurité sont requis, un guide de classification de la sécurité doit être fourni.

10. b) May unscreened personnel be used for portions of the work?  
Du personnel sans autorisation sécuritaire peut-il se voir confier des parties du travail? ☒ No ☐ Yes  
Non Oui
- If Yes, will unscreened personnel be escorted?  
Dans l'affirmative, le personnel en question sera-t-il escorté? ☒ No ☐ Yes  
Non Oui

**PART C - SAFEGUARDS (SUPPLIER) / PARTIE C - MESURES DE PROTECTION (FOURNISSEUR)**

**INFORMATION / ASSETS / RENSEIGNEMENTS / BIENS**

11. a) Will the supplier be required to receive and store PROTECTED and/or CLASSIFIED information or assets on its site or premises?  
Le fournisseur sera-t-il tenu de recevoir et d'entreposer sur place des renseignements ou des biens PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes  
Non Oui
11. b) Will the supplier be required to safeguard COMSEC information or assets?  
Le fournisseur sera-t-il tenu de protéger des renseignements ou des biens COMSEC? ☒ No ☐ Yes  
Non Oui

**PRODUCTION**

11. c) Will the production (manufacture, and/or repair and/or modification) of PROTECTED and/or CLASSIFIED material or equipment occur at the supplier's site or premises?  
Les installations du fournisseur serviront-elles à la production (fabrication et/ou réparation et/ou modification) de matériel PROTÉGÉ et/ou CLASSIFIÉ? ☒ No ☐ Yes  
Non Oui

**INFORMATION TECHNOLOGY (IT) MEDIA / SUPPORT RELATIF À LA TECHNOLOGIE DE L'INFORMATION (TI)**

11. d) Will the supplier be required to use its IT systems to electronically process, produce or store PROTECTED and/or CLASSIFIED information or data?  
Le fournisseur sera-t-il tenu d'utiliser ses propres systèmes informatiques pour traiter, produire ou stocker électroniquement des renseignements ou des données PROTÉGÉS et/ou CLASSIFIÉS? ☒ No ☐ Yes  
Non Oui
11. e) Will there be an electronic link between the supplier's IT systems and the government department or agency?  
Disposera-t-on d'un lien électronique entre le système informatique du fournisseur et celui du ministère ou de l'agence gouvernementale? ☒ No ☐ Yes  
Non Oui





**PART C - (continued) / PARTIE C - (suite)**

For users completing the form **manually** use the summary chart below to indicate the category(ies) and level(s) of safeguarding required at the supplier's site(s) or premises.

Les utilisateurs qui remplissent le formulaire **manuellement** doivent utiliser le tableau récapitulatif ci-dessous pour indiquer, pour chaque catégorie, les niveaux de sauvegarde requis aux installations du fournisseur.

For users completing the form **online** (via the Internet), the summary chart is automatically populated by your responses to previous questions.

Dans le cas des utilisateurs qui remplissent le formulaire **en ligne** (par Internet), les réponses aux questions précédentes sont automatiquement saisies dans le tableau récapitulatif.

**SUMMARY CHART / TABLEAU RÉCAPITULATIF**

Category Catégorie	PROTECTED PROTÉGÉ			CLASSIFIED CLASSIFIÉ			NATO				COMSEC					
	A	B	C	CONFIDENTIAL	SECRET	TOP SECRET	NATO RESTRICTED	NATO CONFIDENTIAL	NATO SECRET	COSMIC TOP SECRET	PROTECTED PROTÉGÉ			CONFIDENTIAL	SECRET	TOP SECRET
				CONFIDENTIEL		TRÈS SECRET	NATO DIFFUSION RESTREINTE	NATO CONFIDENTIEL		COSMIC TOP SECRET COSMIC TRÈS SECRET	A	B	C	CONFIDENTIEL		TRÈS SECRET
Information / Assets Renseignements / Biens Production	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Media / Support TI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
IT Link / Lien électronique	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. a) Is the description of the work contained within this SRCL PROTECTED and/or CLASSIFIED?

La description du travail visé par la présente LVERS est-elle de nature PROTÉGÉE et/ou CLASSIFIÉE?

☒ No ☐ Yes  
Non Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification".

Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire.

12. b) Will the documentation attached to this SRCL be PROTECTED and/or CLASSIFIED?

La documentation associée à la présente LVERS sera-t-elle PROTÉGÉE et/ou CLASSIFIÉE?

☒ No ☐ Yes  
Non Oui

If Yes, classify this form by annotating the top and bottom in the area entitled "Security Classification" and indicate with attachments (e.g. SECRET with Attachments).

Dans l'affirmative, classifiez le présent formulaire en indiquant le niveau de sécurité dans la case intitulée « Classification de sécurité » au haut et au bas du formulaire et indiquez qu'il y a des pièces jointes (p. ex. SECRET avec des pièces jointes).



Government of Canada  
Gouvernement du Canada

Contract Number / Numéro du contrat  
W355B-192865

Security Classification / Classification de sécurité  
UNCLASSIFIED

**PART D - AUTHORIZATION / PARTIE D - AUTORISATION**

**13. Organization Project Authority / Chargé de projet de l'organisme**

Name (print) - Nom (en lettres moulées)

Malcolm MacDonald

Title - Titre

Project Manager - Industrial  
Engineering Division (IED)

Signature

Telephone No. - N° de téléphone

902-427-2309

Facsimile No. - N° de télécopieur

902-427-0237

E-mail address - Adresse courriel

Malcolm.MacDonald2@forces.gc.ca

Date

Aug. 8, 2018

**14. Organization Security Authority / Responsable de la sécurité de l'organisme**

Name (print) - Nom (en lettres moulées)

Title - Titre

Signature

Telephone No. - N° de téléphone

902-427-2309

Facsimile No. - N° de télécopieur

902-427-0237

E-mail address - Adresse courriel

Malcolm.MacDonald2@forces.gc.ca

Date

13 Aug 2018

**15. Are there additional instructions (e.g. Security Guide, Security Classification Guide) attached?**

Des instructions supplémentaires (p. ex. Guide de sécurité, Guide de classification de la sécurité) sont-elles jointes?

☐ No  
☒ Yes

**16. Procurement Officer / Agent d'approvisionnement**

Name (print) - Nom (en lettres moulées)

Lee Anne Forward

Title - Titre

PWGSC

Signature

Richard, Linda

Digitally signed by Richard, Linda  
Date: 2018.11.07 20:13:59 -04'00'

Telephone No. - N° de téléphone

902-496-5170

Facsimile No. - N° de télécopieur

902-496-5016

E-mail address - Adresse courriel

leeanne.forward@pwgsc-tpsgc.gc.ca

Date

**17. Contracting Security Authority / Autorité contractante en matière de sécurité**

Name (print) - Nom (en lettres moulées)

Title - Titre

Signature

Francis

Digitally signed

by Francis

Andree

Andree

Date: 201

13:31:21 -