



**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des  
soumissions → TPSGC**  
10th Floor, 4900 Yonge Street /  
10e étage, 4900 rue Yonge  
Toronto  
Ontario  
M2N 6A6

**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**

<b>Title - Sujet</b> unité mobile de distribution électr	
<b>Solicitation No. - N° de l'invitation</b> W3909-200004/A	<b>Date</b> 2019-11-13
<b>Client Reference No. - N° de référence du client</b> W3909-200004	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$TOR-302-7848	
<b>File No. - N° de dossier</b> TOR-9-42034 (302)	<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 2020-01-06</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<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> Berends, Robert	<b>Buyer Id - Id de l'acheteur</b> tor302
<b>Telephone No. - N° de téléphone</b> (647) 308-5031 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF NATIONAL DEFENCE 6 RED PATCH AVE, BLDG C-39M PO BOX 17000, STN FORCES KINGSTON Ontario K7K7B4 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**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

<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/ 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 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 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).

### **1.4 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](#) (2019-03-04) 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

#### **2.1.1 SACC Manual Clauses**

SACC Manual clause B3000T (2006-06-16) Equivalent Products

### **2.2 Submission of Bids**

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the RFP:

Bid Receiving Unit – Acquisitions Ontario Region  
10<sup>th</sup> Floor, 4900 Yonge Street  
Toronto, Ontario M2N 6A6  
[TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.orreceptiondessoumissions-orbidreceiving.PWGSC@tpsgc-pwgsc.gc.ca)

**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 [2003](#), or to send offers through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

Facsimile number: 416-952-1256

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

All enquiries must be submitted in writing to the Contracting Authority no later than 10 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

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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.

## **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. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

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

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

- 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 (1 hard copies)

Section II: Financial Bid (1 hard copies)

Section III: Certifications (1 hard copies)

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:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) 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 D Electronic Payment Instruments, to identify which ones are accepted.

If Annex D 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.

### **3.1.2 Exchange Rate Fluctuation**

[C3011T](#) (2013-11-06) Exchange Rate Fluctuation

## **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**

The Bidder must provide Written Confirmation that they will provide Lex Products Corp. components in accordance with the requirements at Annex A.

If any equivalent components are being offered, the Bidder must provide:

- (1) A Certificate of Compliance that confirms the item being offered is equivalent or better in every way to the Lex Products Corporation.
- AND
- (2) Results of tests or third party confirmation that confirms items offered are compliant with the standards specified.

#### **4.1.2 Financial Evaluation**

Bidders must submit their financial bid in accordance with Annex "B" - Basis of Payment. Applicable Taxes are extra and must be shown separately.

The price used in the evaluation will be the total price of all the items in Annex B, Basis of Payment.

*SACC Manual* Clause [A0220T](#) (2014-06-26) 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.

### **5.2 Certifications Precedent to Contract Award and Additional Information**

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

#### **5.2.1 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 Requirement**

The Contractor must provide a Mobile Power Distribution Unit, Training and Warranty in accordance with 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 Period of the Contract**

#### **6.4.2 Delivery Date**

All the deliverables must be received on or before March 27, 2020.

#### **6.4.3 Option to Extend the Contract**

The Contractor grants to Canada the irrevocable option to extend the term of the Contract by up to 2 additional one year periods under the same conditions. The Contractor agrees that, during the extended period of the Contract, it will be paid in accordance with the applicable provisions as set out in the Basis of Payment.

Canada may exercise this option at any time by sending a written notice to the Contractor at least 10 calendar days before the expiry date of the Contract. The option may only be exercised by the Contracting Authority, and will be evidenced for administrative purposes only, through a contract amendment.

#### 6.4.4 Delivery Points

Delivery of the requirement will be made to:

Department of National Defence  
1<sup>st</sup> Canadian Division HQ/HRD  
56 Portage Drive, Bldg 358  
Astra, Ontario  
K0K 3W0  
Attn. J4 Supply

#### 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 specified in Annex B, Basis of Payment for a cost of \$ \_\_\_\_\_*. 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

#### 6.6.3 Single Payment

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

#### 6.6.4 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)

### 6.7 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](#) (2018-06-21) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_ .

### **6.11 Insurance**

*SACC Manual* clause [G1005C](#) (2016-01-28) Insurance

### **6.12 SACC Manual Clauses**

B7500C (2006-06-16) Excess Goods  
A9062C (2011-05-16) Canadian Forces Site Regulations

## ANNEX A

### REQUIREMENT

This specification outlines the technical requirements for the Power Distribution System. All requirements are mandatory.

#### 1.0 Background

The Disaster Assistance Recovery Team (DART) has a requirement for modular power distribution equipment to support training and international operations deployed. These settings are austere and electrical distribution infrastructure is not readily available. DART currently employs the Central Power Distribution System (CPDS) but this system is nearing the end of its life-cycle and is also becoming inadequate to meet the demands put upon it. DART requires an upgrade to its electrical-distribution infrastructure in order to be interoperable with other deployed nations and existing Department of National Defence (DND) power equipment. Other electrical-distribution systems that are compatible with the specifications of DART's current power generation systems (generators) have been demonstrated with other nations. Equipment, such as MEPDIS (Mobile Electrical Power Distribution System) or equivalent to MEPDIS, will be referred to as the Power Distribution System.

#### 2.0 Applicable Documents

The following document forms part of this statement of requirement. In the event of a conflict between the document and the contents of this statement of requirement, the contents of this statement of requirement shall take precedence.

- MIL-HDBK-6 IA (SE) Configuration Management Guidance

#### 3.0 Deliverables

The Contractor must deliver:

- (a) The following equipment in accordance with the Operational Performance and Technical Specifications below:

Item	Description	NSN/Lex Part Number	Quantity
1	5kW Dist Box w/Cable	6110-01-532-1821	12
2	15kW Distribution Box	6110-01-532-1764	2
3	30kW Distribution Box	6110-01-586-2426	2
4	100kW Distribution Box	6110-01-532-1835	2
5	Cam-Lock Feeder Cable – 25ft	6150-01-529-7900	2
6	60A Cables-50ft	6150-01-529-7674	0
7	30A Cables-50ft	6150-01-529-8428	0
8	Spares Kit/Tool Kit	5990-01-534-6389	2

- (b) A manufacturer's recommended Spare Parts List including the following for each item:
- Manufacturer's part number;
  - NATO Stock Number (NSN), where available;

- iii. Proposed quantity; and
- iv. Unit price.

(c) Training. The Contractor must provide Operator/Maintainer Training, in English, as follows:

- i. A course outline for the practical and theoretical Training Course (MS Word, MS PowerPoint or PDF format) to the DND Technical Authority (TA) for approval within thirty (30) days of Contract Award Delivery;
- ii. A one (1) day (maximum eight (8) hours) course for up to ten (10) DND candidates within ten (10) days of the delivery of the equipment. The course is to include the following:
  - a. Complete description of operation and maintenance of the system; and
  - b. Hands on familiarization of the following: Care and user maintenance; Methods of powering the system; Modes of operations and functions; and Fault finding procedures and actions to be taken;
- iii. One (1) hard copy and one (1) electronic copy (MS Word, MS PowerPoint or PDF format) of the training material is to be provided to each DND candidate.

(d) Warranty. The Contractor must provide warranty on the Power Distribution System against material defects and workmanship, including parts and labor, at no additional cost to DND in accordance with the Contractor's standard warranty provisions (minimum one (1) year).

#### 4.0 Specifications

- (a) 100 kW Distribution Box – The 100 kW Distribution Box (NSN 6110-01-532-1835) must be the Lex Products Corporation "MEPDIS-R 100kW DIST BOX" (Part# DB350MA-P2WAS3), or equivalent, as follows:
- i. Insulated molded rubber enclosure that provides impact, weather, chemical exposure and shock resistance;
  - ii. Rated to operate at 800 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC and 50/60 Hz;
  - iii. Operate under the climatic conditions A1 to A3, B1 to B3, and C1 to C3 in accordance with MIL-STD-810F as follows:
    - a. Temperature: -51°C to +49°C;
    - b. Humidity: Up to 100%; and
    - c. Solar Radiation, Rain, salt, fog, sand, dust, icing and freezing rain;
  - iv. Permits input from two (2) synchronized 400 Amp, 3 Phase external power sources (independently or simultaneously) utilizing 16 Series Cam-Type inlets;
  - v. Include outputs as follows:
    - a. One (1) 200 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, 16 Series Cam-Type Outlet;
    - b. Four (4) 100 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, IEC 60309 Pin & Sleeve Receptacles;
    - c. Two (2) 60 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, IEC 60309 Pin & Sleeve Receptacles;
    - d. Two (2) 30 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, IEC 60309 Pin & Sleeve Receptacles;
    - e. Two (2) 20 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, IEC 60309 Pin & Sleeve Receptacles;
    - f. Two (2) 20 Amp, Single Phase, 2 Pole, 3 Wire, 120 VAC, IEC 60309 Pin & Sleeve Receptacles; and
    - g. One (1) NEMA 5-20, 20 Amp, Single Phase, 2 Pole, 3 Wire, 120 VAC, GFCI Duplex Receptacle;
  - vi. Include overcurrent protection on all outputs; and

- 
- vii. Have a size and weight as follows:
- a. No larger than the following:
    1. Length: 100 cm (40 in);
    2. Width: 70 cm (28 in);
    3. Height: 80 cm (32 in);
  - b. Weigh no more than 140 kg (310 pounds);
- (b) 30 kW ECU Distribution Box – The 30 kW Environmental Control Unit Distribution Box (NSN 6100-01-586-2426) must be the Lex Products Corporation “MEPDIS-R “BOO Box” 30kW” (Part# DB100MA-P1021Q-01S3), or equivalent, as follows:
- i. Insulated molded rubber enclosure that provides impact, weather, chemical exposure and shock resistance;
  - ii. Rated to operate at 100 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC and 50/60 Hz;
  - iii. Operate under the climatic conditions A1 to A3, B1 to B3, and C1 to C3 in accordance with MIL-STD-810F as follows:
    - a. Temperature: -51°C to +49°C;
    - b. Humidity: Up to 100%; and
    - c. Solar Radiation, Rain, salt, fog, sand, dust, icing and freezing rain;
  - iv. Permits input the following utilizing IEC 60309 Pin & Sleeve inlets:
    - a. Directly from the 100 kW Distribution Box; or
    - b. One (1) 100 Amp, 3 Phase external power source;
  - v. Include outputs as follows:
    - a. Four (4) 60 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, IEC 60309 Pin & Sleeve Receptacles;
    - b. Six (6) 30 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, IEC 60309 Pin & Sleeve Receptacles; and
    - c. One (1) NEMA 5-20, 20 Amp, Single Phase, 2 Pole, 3 Wire, 120 VAC, GFCI Duplex Receptacle;
  - vi. Include overcurrent protection on all outputs; and
  - vii. Have a size and weight as follows:
    - a. No larger than the following:
      1. Length: 100 cm (40 in);
      2. Width: 70 cm (28 in);
      3. Height: 40 cm (16 in);
    - b. Weigh no more than 85 kg (190 pounds);
- (c) 15 kW Distribution Box – The 15 kW Distribution Box (NSN 6110-01-532-1764) must be the Lex Products Corporation “MEPDIS-R 15kW DIST BOX” (Part# DB-60MA-F22QS3), or equivalent, as follows:
- i. Insulated molded rubber enclosure that provides impact, weather, chemical exposure and shock resistance;
  - ii. Rated to operate at 120 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC and 50/60 Hz;
  - iii. Operate under the climatic conditions A1 to A3, B1 to B3, and C1 to C3 in accordance with MIL-STD-810F as follows:
    - a. Temperature: -51°C to +49°C;
    - b. Humidity: Up to 100%; and
    - c. Solar Radiation, Rain, salt, fog, sand, dust, icing and freezing rain;
  - iv. Permits input the following utilizing IEC 60309 Pin & Sleeve inlets:
    - a. Directly from the 100 kW Distribution Box;
    - b. Directly from the 30 kW Distribution Box; or
    - c. Two (2) synchronized 60 Amp, 3 Phase external power sources (independently or simultaneously);
  - v. Include outputs as follows:

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- a. Four (4) 30 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC, IEC 60309 Pin & Sleeve Receptacles;
  - b. Four (4) 20 Amp, Single Phase, 2 Pole, 3 Wire, 120VAC, IEC 60309 Pin & Sleeve Receptacles; and
  - c. One (1) NEMA 5-20, 20 Amp, Single Phase, 2 Pole, 3 Wire, 120 VAC, GFCI Duplex Receptacle;
  - vi. Include overcurrent protection on all outputs; and
  - vii. Have a size and weight as follows:
    - a. No larger than the following:
      - 1. Length: 70 cm (28 in);
      - 2. Width: 60 cm (24 in);
      - 3. Height: 50 cm (20 in);
    - b. Weigh no more than 45 kg (112 pounds);
- (d) 5 kW Outdoor Distribution Box – The 5 kW Outdoor Distribution Box (NSN 6110-01-532-1821) must be the Lex Products Corporation “MEPDIS-R 5kW OUTDOOR BOX (W/ 2 CORDS)” (Part# DB-30NA-A22-S3), or equivalent, as follows:
- i. Insulated molded rubber enclosure that provides impact, weather, chemical exposure and shock resistance;
  - ii. Rated to operate at 30 Amp, 3 Phase, 4 Pole, 5 Wire, 120/208 VAC and 50/60 Hz;
  - iii. Operate under the climatic conditions A1 to A3, B1 to B3, and C1 to C3 in accordance with MIL-STD-810F as follows:
    - a. Temperature: -51°C to +49°C;
    - b. Humidity: Up to 100%; and
    - c. Solar Radiation, Rain, salt, fog, sand, dust, icing and freezing rain;
  - iv. Permits input the following utilizing IEC 60309 Pin & Sleeve inlets:
    - a. Directly from the 100 kW Distribution Box;
    - b. Directly from the 30 kW Distribution Box; or
    - c. Directly from the 15 kW Distribution Box;
  - v. Include outputs as follows:
    - a. Six (6) 20 Amp, Single Phase, 2 Pole, 3 Wire, 120VAC, IEC 60309 Pin & Sleeve Receptacles; and
    - b. Three (3) NEMA 5-20, 20 Amp, Single Phase, 2 Pole, 3 Wire, 120 VAC, GFCI Duplex Receptacles;
  - vi. Include overcurrent protection on all outputs;
  - vii. Include six (6) 15 m (50 ft) 10/3 SEOW Extension Cords with two (2) NEMA L5-20 Duplex Receptacles each;
  - viii. Include three (3) spare 30 Amp, Single Phase, 2 Pole, 3 Wire, 120 VAC, IEC 60309 Pin & Sleeve Plugs; and
  - ix. Have a size and weight as follows:
    - a. No larger than the following:
      - 1. Length: 50 cm (20 in);
      - 2. Width: 50 cm (20 in);
      - 3. Height: 40 cm (16 in);
    - b. Weigh no more than 10 kg (44 pounds) for the box only (without cords);
- (e) 25 ft Cam-Lock Feeder Cable – The 25 ft Cam-Lock Feeder Cable (NSN 6150-01-529-7900) must be the Lex Products Corporation “400 Amp 5 wire CAM Type 25' Feeder Set” (Part# FS60P5W-25), or equivalent, as follows:
- i. IEC 60309 Feeder Cable for feeding the 100Kw boxes
  - ii. Rated at 400 Amp, 120/208 VAC;
  - iii. Cable: 4/0 AWG, Portable Power Elastomer (PPE); 8 m (25 ft) in length;
  - iv. Plug: 5x 16 Series Single Pole Cam-Type Male; and
  - v. Connector: 5x 16 Series Single Pole Cam-Type Female;

- (f) 50 ft 60 Amp Feeder Cable – The 50 ft 60 Amp Feeder Cable (NSN 6150-01-529-7674) must be the Lex Products Corporation “MEPDIS-R 50FT 60A CABLE” (Part# PE6/5P-50-560), or equivalent, as follows:
- i. IEC 60309 Pin & Sleeve Cable set for connecting 15 kW Distribution Box to 30 kW or
  - ii. Rated at 60 Amp, 4 Pole, 120/208 VAC;
  - iii. Cable: 5 Wire, 6/5 Type PPE, 15 m (50 ft) in length;
  - iv. Male End Coupler: 5 Wire, IEC 60309 Pin & Sleeve; and
  - v. Female End Coupler: 5 Wire, IEC 60309 Pin & Sleeve;
- (g) 50 ft 30 Amp Feeder Cable – The 50 ft 30 Amp Feeder Cable (NSN 6150-01-529-8428) must be the Lex Products Corporation “MEPDIS-R 50FT 60A CABLE” (Part# PE105SE-50-530), or equivalent, as follows:
- i. IEC 60309 Pin & Sleeve Cable set for connecting 5 kW Distribution Box to 15 kW, 30 kW or 100 kW Distribution Boxes;
  - ii. Rated at 30 Amp, 4 Pole, 120/208 VAC;
  - iii. Cable: 5 Wire, 10/5 Type PPE, 15 m (50 ft) in length;
  - iv. Male End Coupler: 5 Wire, IEC 60309 Pin & Sleeve; and
  - v. Female End Coupler: 5 Wire, IEC 60309 Pin & Sleeve;
- (h) Spare Parts/Tools Kit – The Spare Parts/Tools Kit (NSN 5999-01-534-6389) must be the Lex Products Corporation “MEPDIS-R CAM SPARE PARTS/TOOLS KIT” (Part# KIT-SERIES16), or equivalent, Cam-Type Coupler repair kit, contained within a duffel-style bag, including the following components:

Item	Description	Quantity
1	Female Assembly Tool – 16 & 18 Series	1
2	Male Assembly Tool – 16 & 18 Series	1
3	Male Cam Inline 1/0-4/0 (Red)	3
4	Male Cam Inline 1/0-4/0 (Black)	3
5	Male Cam Inline 1/0-4/0 (Blue)	3
6	Male Cam Inline 1/0-4/0 (White)	3
7	Male Cam Inline 1/0-4/0 (Green)	3
8	Female Cam Inline 1/0-4/0 (Red)	3
9	Female Cam Inline 1/0-4/0 (Black)	3
10	Female Cam Inline 1/0-4/0 (Blue)	3
11	Female Cam Inline 1/0-4/0 (White)	3
12	Female Cam Inline 1/0-4/0 (Green)	3
13	Cam 16 Series, Single Male to Triple Female Adapter	5
14	Hex Bit Socket	1
15	Wrench Ratchet	1
16	Screw Set 16 & 18 Series Cam	5
17	Wire Strain Relief 16 & 18 Series Cam	5
18	Shim Copper 16 & 18 Series Cam	5
19	Screw Insulated 16 Series	5
20	Cam 16 Series Cap for Female (Black)	12
21	Cam 18 Series Cap for Male (Black)	12

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## ANNEX B

### BASIS OF PAYMENT

Firm Unit prices in Canadian funds including customs duties, excise taxes, and F.O.B. Destination, including all delivery charges. The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is to be shown separately, if applicable.

The Bidder must provide firm unit prices for the following equipment in accordance with the Operational Performance and Technical Specifications at Annex A:

Item	Description	NSN/Lex Part Number	Quantity	Unit Price	Extended Price
1	5kW Dist Box w/Cable	6110-01-532-1821	12		
2	15kW Distribution Box	6110-01-532-1764	2		
3	30kW Distribution Box	6110-01-586-2426	2		
4	100kW Distribution Box	6110-01-532-1835	2		
5	Cam-Lock Feeder Cable-25ft	6150-01-529-7900	2		
6	60A Cables-50ft	6150-01-529-7674	0		
7	30A Cables-50ft	6150-01-529-8428	0		
8	Spares Kit/Tool Kit	5990-01-534-6389	1		
9	Training (as per Annex A)	n/a	1 day		

## **ANNEX C 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)