



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Travaux publics et Services gouvernementaux  
Canada  
Voir dans le document/  
See herein  
NA  
Québec  
NA

**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> Field Metering Kits Ensemble de mesure de terrain	
<b>Solicitation No. - N° de l'invitation</b> 23332-210106/D	<b>Date</b> 2021-07-06
<b>Client Reference No. - N° de référence du client</b> 23332-210106	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$MTA-225-16225	
<b>File No. - N° de dossier</b> MTA-0-43070 (225)	<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> Eastern Daylight Saving Time EDT <b>on - le 2021-08-17</b> Heure Avancée de l'Est HAE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Dubé, Stéphane	<b>Buyer Id - Id de l'acheteur</b> mta225
<b>Telephone No. - N° de téléphone</b> (514) 603-9967 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> CanMET Énergie Varennes 1615 BOUL.LIONEL BOULET VARENNES Québec J3X1S6 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**

Travaux publics et Services gouvernementaux Canada  
Place Bonaventure, portail Sud-Oue  
800, rue de La Gauchetière Ouest  
7e étage, suite 7300  
Montréal  
Québec  
H5A 1L6

<b>Delivery Required - Livraison exigée</b> Voir doc.	<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>



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM	Destination	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	Field Metering Kits	23332	23332	1	Lot	\$	\$		Voir doc.	

Solicitation No. - N° de l'invitation  
23332-210106/D  
Client Ref. No. - N° de réf. du client  
23332-21-0106

Amd. No. - N° de la modif.  
File No. - N° du dossier  
MTA-0-43070

Buyer ID - Id de l'acheteur  
mta225  
CCC No./N° CCC - FMS No./N° VME

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**This bid solicitation cancels and replaces bid solicitation number 23332-210106 /  
C, dated May 13, 2021 with a closing date of June 14, 2021 EST.  
A debriefing or feedback meeting will be offered upon request to bidders who  
submitted an offer under the previous bid solicitation.**

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Security Requirements**

There is no security requirement applicable to this request.

### **1.2 Statement of Work**

The Work to be performed is detailed under Article 6.2 of the resulting contract clauses.

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

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/1/2003/25> )

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

B3000T (2006-06-16) – Produits équivalents

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/B/B3000T/5> )

### **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 bid solicitation:

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### **PWGSC Québec Region Bid Receiving Unit**

Only bids submitted using epost Connect service will be accepted. The Bidder must send an email requesting to open an epost Connect conversation to the following address:

[TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.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 Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

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

Bids transmitted by facsimile or hardcopy to PWGSC will not be accepted.

For more information on the use of Postel, please see the following link.

<https://buyandsell.gc.ca/steps-to-follow-for-the-bid-submission-to-bid-receiving-unit-bru-using-epost-connect>

### **2.3 Former Public Servant – Competitive Bid**

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPSs, bidders must provide the information required below before contract award. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the bid non-responsive.

#### **Definitions**

For the purposes of this clause, "former public servant" is any former member of a department as defined in the *Financial Administration Act*, R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the *Public Service Superannuation Act* (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the *Supplementary Retirement*

Benefits Act, R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the Canadian Forces Superannuation Act, R.S., 1985, c. C-17, the Defence Services Pension Continuation Act, 1970, c. D-3, the Royal Canadian Mounted Police Pension Continuation Act, 1970, c. R-10, and the Royal Canadian Mounted Police Superannuation Act, R.S., 1985, c. R-11, the Members of Parliament Retiring Allowances Act, R.S. 1985, c. M-5, and that portion of pension payable to the Canada Pension Plan Act, R.S., 1985, c. C-8.

**Former Public Servant in Receipt of a Pension** *(To be completed by the bidder)*

As per the above definitions, is the Bidder a FPS in receipt of a pension? **Yes** ( ) **No** ( )

If so, the Bidder must provide the following information, for all FPSs in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Bidders agree that the successful Bidder's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with Contracting Policy Notice: 2019-01 and the Guidelines on the Proactive Disclosure of Contracts.

**Work Force Adjustment Directive** *(To be completed by the bidder)*

Is the Bidder a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive? **Yes** ( ) **No** ( )

If so, the Bidder must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;
- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

**2.4 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) 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

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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.

## 2.5 Applicable Laws

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

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

## 2.6 Bid Challenge and Recourse Mechanisms

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

## PART 3 - BID PREPARATION INSTRUCTIONS

### 3.1 Bid Preparation Instructions

Bidder must submit its bid electronically 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

Bids transmitted by facsimile or hardcopy will not be accepted.

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

#### 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 “F” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “F” 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  
( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/C/C3011T/5> )

### **3.1.3 SACC Manual Clauses**

## **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 technical evaluation will be based on the mandatory technical criteria detailed in Annex E.

Bidders must demonstrate that the goods and/or services offered are compliant with each of these mandatory technical criteria with documents and/or technical drawings, which must be submitted with their proposal.

Bidders should complete the grid in Annex E in order to indicate where the technical criteria are demonstrated within their submitted documents and/or technical drawings and include it with their proposal.

#### **4.1.2 Financial Evaluation**

In accordance with the Basis of Payment in Annex "B", PART A, PART B and PART OPTIONS.

Offerors are required to offer firm prices for each of the items as required under Annex "B", Basis of Payment, PART A and PART B.

The financial evaluation will be based on the sum of the total prices of PART A (A.1 + A.2 + A.3 + A.4), and Part options (B.1 + B.2 + B.3 + B.4 + B.5) of Annex "B".

**A price is mandatory for all items in Annex "B". Failure to do so will result in the offer being deemed non-responsive and will be rejected.**

##### **4.1.2.1 Evaluation of Price - Canadian/Foreign Bidder**

1. Bidders must submit firm prices, customs duties, excise taxes and Applicable Taxes excluded.
2. Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
3. Bidders must provide prices Delivered at Place (DAP) Varennes (Québec) according to Incoterms 2010 for shipments from a commercial contractor. Bids will be assessed on a DAP basis.

#### **4.2 Basis of Selection**

##### **4.2.1 Basis of Selection - Mandatory Technical Criteria**

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 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property 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 There is no security requirement applicable to the Contract.

### 6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A" and the Contractor's technical bid, dated \_\_\_\_\_.

### 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**

2010C (2020-05-28), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/3/2010C/18> )

### **6.3.2 Inspection and Acceptance**

The technical authority is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

### **6.4 Term of Contract**

#### **6.4.1 Period of the Contract**

The period of the Contract is from date of Contract to March 31, 2022 inclusive.

#### **6.4.2 Delivery Date**

Delivery is requested within a maximum of 12 weeks following delivery of government supplied materials.

#### **6.4.3 Delivery Points**

Delivery of the requirement will be made to delivery point specified at Annex "A", item 9, of the Contract.

### **6.5 Authorities**

#### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Stéphane Dubé  
Title: Supply Officer  
Public Works and Government Services Canada  
Acquisitions Branch

Telephone: (514) 603-9967  
E-mail address: [stephane.dube@pwgsc-tpsgc.gc.ca](mailto:stephane.dube@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.

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## 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 *(To be completed by the bidder)*

Name: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

## 6.6 Proactive Disclosure of Contracts with Former Public Servants

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2019-01](#) of the Treasury Board Secretariat of Canada.

## 6.7 Payment

### 6.7.1 Basis of Payment - Firm Price, Firm Unit Price(s) or Firm Lot Price(s)

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 excluded 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 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex « A » and « B » of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

### 6.7.3 Multiple Payments

H1001C (2008-05-12) Multiple Payments

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/H/H1001C/2> )

### 6.7.4 SACC Manual Clauses

A2000C (2006-06-16) Foreign Nationals (Canadian Contractor)

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/A/A2000C/1> )

A2001C (2006-06-16) Foreign Nationals (Foreign Contractor)

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/A/A2001C/1> )

C2000C (2007-11-30) Taxes – Foreign-based Contractor

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/C/C2000C/1> )

### 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 one (1) copy 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 \_\_\_\_\_ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

### 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 **2010C** (2020-05-28), General Conditions - Services (Medium Complexity);
- (c) Annex A, Statement of Work;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Mechanical Drawings;
- (f) Annex D, Electrical Drawings;
- (g) the Contractor's bid dated \_\_\_\_\_ .

### 6.12 SACC Manual Clauses

G1005C (2016-01-28) Insurance – No Specific Requirement

( <https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/5/G/G1005C/3> )

### 6.13 Dispute Resolution

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

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## ANNEX "A" – STATEMENT OF WORK

### 1. TITLE

Assembly and supply of field operations metering equipment

### 2. BACKGROUND

Natural Resources Canada (NRCan) in collaboration with Canadian Department of National Defense and their partners, seeks to develop energy and environmental monitoring equipment and technologies with the specific goal of increasing energy efficiency of military field operations. The aim is for the client to understand the baseline energy use, develop and validate energy models, and enabling energy efficient operations by applying data analytics to power and energy data. For this, it is necessary to apply a rigorous and authoritative understanding of the electrical load distribution and environmental conditions through electrical load measurements and weather monitoring.

NRCan has developed an assortment of metering systems that have been developed and field-proven to meet the required military robustness. These metering systems perform localised monitoring and data collection aspects for a range of operational requirements. Data recorded by the individual metering units is generally manually downloaded by military staff and uploaded to be integrated and analysed.

### 3. ACRONYMS

NRCan	Natural Resources Canada
DND	Department of National Defense
SOR	Statement of Requirement
GSM	Government Supplied Materials
BOM	Bill of Material
FMP	Field Metering Packages
FAT	Factory Acceptance Test
CT	Current Transformer
RoCoil	Rogowski Coil
RTD	Resistance Temperature Device
DMM	Digital Multimeter
UPS	Uninterruptible Power Supply
AC	Alternating Current
DC	Direct Current

**4. APPLICABLE DOCUMENTS & REFERENCES**

ITEM	DESCRIPTION	DOCUMENT CODE	REV.	REV. DATE
1.1	Central Unit (CU) – HMI Logger Kit - Electrical	EL-01_CU_G10	Rev1	2020/10/05
1.2	Central Unit (CU) – HMI Logger Kit - Mechanical	MEC-01_CU_G10	Rev1	2020/10/05
2.1	PU48 Power Unit Kit - Electrical	EL-01_PU_PS48	Rev1	2020/10/05
2.2	PU48 Power Unit Kit - Mechanical	MEC-01_PU_PS48	Rev1	2020/10/05
3.1	PU12 Power Unit Kit - Electrical	EL-01_PU_PS12	Rev1	2020/10/05
3.2	PU12 Power Unit Kit - Mechanical	MEC-01_PU_PS12	Rev1	2020/10/05
4.1	Shelter Enviro-Power Kit - Electrical	EL-01_Shelterkit	Rev1	2020/10/05
4.2	Shelter Enviro-Power Kit - Mechanical	MEC-01_Shelterkit	Rev1	2020/10/05

**5. REQUIREMENTS**

5.1 General Requirements for Field Metering Packages (FMP)

The scope of the contract is the assembly, testing and supply of Field Metering Packages (FMP) with each package consisting of three individual metering devices.

Specifically, each FMP consist of the following metering devices;

Qty. 1 - Central Unit – HMI Logger Kit w/ 4 - CT Cable Assembly

Qty. 1 - PU48 Power Unit Kit w/ 16 - CT Cable Assembly

Qty. 1 - PU12 Power Unit Kit w/ 4 – CT Cable Assembly

A minimum of three FMPs will be purchased

There is also an option to acquire the following metering devices up to the maximum quantity indicated:

Qty. 4 – Central Unit – HMI Logger Kit w/ 4 – CT Cable Assembly

Qty. 8 – PU48 Power Unit Kit w/16 – CT Cable Assembly

Qty. 8 – PU12 Power Unit Kit w/4 – CT Cable Assembly

Qty. 8 – Shelter Enviro Power Kit

The client will provide some components for the individual metering devices. Client supplied components are listed in the individual Drawing BOM's and detailed in the requirements below (5.2 thru 5.5). See Section 10 for special considerations on the client supplied components.

The Contractor must provide all other required components per drawings and BOM's and complete the assembly, point-to-point powered testing and packaging of the metering devices and accessories in protective hard, air transportable cases. In general, the main components are detailed in sections 5.2 through 5.5 and the general requirements include, but not limited to:

All appropriate gauge Appliance Wiring Material (AWM) / Thermoplastic Equipment Wire (TEW) panel wire or equivalent with a:

Minimum temperature rating of -40°C

Maximum temperature rating of 105°C

All mounting hardware necessary for complete assembly.

All fasteners, wiring accessories and assembly to ensure a safe, high quality device. Assembly must be CSA certified.

Metering devices must installed in a NEMA 4 rated enclosure for dust and rain protection.

Metering devices must be individually packaged in an air transportable hard case. The hard case must meet the following ingress protection and environmental protection – IP67 and DEF-STAN 81.41, respectively.

A detailed Factory Acceptance Test (FAT) report is to be provided to the client for review prior to commencing assembly of kits.

The FAT report should include:

Scope - the tests to be performed by the manufacturer to establish acceptability of the equipment and their conformance with the applicable drawings, specifications and certifications.

Reference documents - a complete set of all relevant documents and drawings to be available during the execution of the FAT.

Inspection procedures and processes completed.

Model, serial and certification labelling prior to packaging.

All components must be brand new and not refurbished.

Individual metering devices may be bulk packaged on pallets with corrugated cardboard spacers and protective covering.

Each assembled metering device shall be fabricated by a CSA certified panel shop and must be CSA Approved and labelled.

Each metering device shall be individually packaged in an air transportable hard-side case. In addition, each metering device requires a separate air transportable hard side case for accessories, e.g. CT assemblies. Packaging cases are to be crushproof molded plastic containers with an airtight, dustproof, watertight gasket seal. The cases shall include a barometric relief valve designed to prevent pressure damage during transportation or when environmental air pressure changes. The cases must meet sealing against dust and water immersion to 1 metre depth. Cases shall also include:

Foam interior packing

Strong polyurethane wheels with stainless steel bearings

Lightweight Polypropylene case design

Retractable extension handle

Fold down handles

Easy open or push button release latches

Stainless steel hardware and padlock protectors

IP 67 Ingress Protection Certification

DEF-STAN 81.41 Environmental Certification

Specific requirements for the cases include:

Must be certified to meet ingress protection level of IP67,

Must be certified to meet environmental requirements of DEF-STAN 81-41

Must be capable of being shipped as Overweight/Oversized Luggage on commercial airlines which have the following requirements;

Maximum 32 kg (70 lb) in weight (including package contents),

Maximum 292 cm (115 in) in linear dimensions, and/or

Maximum 203 cm (80 in) in length.

The following table (table 1) provides a description of the packaging cases that meet the requirements.

The selected cases are based on cases provided by Pelican Corp. but are not considered to be the required manufacturer. The main purpose of the list is to identify a packaging case that meets the requirements. Other brands will be acceptable if they meet these requirements; however the vendor must show that the selected case is:

Maximum 115 inches in air ship linear dimensions (length + width + height)

Maximum 80 inches in length

Maximum 32 kg (70 lb) in weight (including package contents)

Table 1: Required dimensions and weight of metering device packaging cases

Metering Device		Pelican Air Case					
Unit Name	Contents	Model #	Interior Dim (inches)	Exterior Dim (inches)	Weight	Air Ship Linear Length * (inches)	Wheels/Foam
CU Controller	Controller Only	1620	21.48 x 16.42 x 12.54	24.76 x 19.57 x 13.90	21.2 lbs (9.6 kg)	58.23	Y/Y
CU Accessories	4 x 3CTs, Network Cable, reference cable	1556WF	21.63 x 10.76 x 8.97	23.43 x 13.52 x 10.57	11.20 lbs (5.1 kg)	47.52	Y/Y
PU48 Power Monitor	PS 48 Power Monitor in Enclosure	1620	21.48 x 16.42 x 12.54	24.76 x 19.57 x 13.90	21.2 lbs (9.6 kg)	58.23	Y/Y
PU48 Accessories	16 x 3 CTs, Network Cable, Reference Cable	1626WF	28.14 x 14.10 x 11.72	31.12 x 17.05 x 13.33	18.10 lbs (8.2 kg)	61.5	Y/Y
PU12 Power Monitor	PS 12 Power Monitor in Enclosure	1607WF	21.05 x 15.81 x 11.63	24.13 x 18.80 x 13.25	16.10 lbs (7.3 kg)	56.18	Y/Y
PU12 Accessories	4 x 3CTs, Network Cable, reference cable	1556WF	21.63 x 10.76 x 8.97	23.43 x 13.52 x 10.57	11.20 lbs (5.1 kg)	47.52	Y/Y
Shelter Meter	Box + Power Conn. 25.85" x 17.69 X 8.13+Bracket	iM2950-X0001	29.00 x 18.00 x 10.50	31.30 x 20.40 x 12.20	28.70 lbs (13 kg)	63.9	Y/Y
Shelter Meter Accessories	10 RTDs, RH sensor, Power Cable, Stand	1626WF	28.14 x 14.10 x 11.72	31.12 x 17.05 x 13.33	18.10 lbs (8.2 kg)	61.5	Y/Y
* Air Ship Linear Length = L + W + H							

### 5.1.1 General Requirements – Specified Components and Equivalency

All the following metering devices have been developed over many years of lab testing and field qualification. This development has resulted in the designs that are both rugged and proven. Therefore, the components incorporated in these devices are selected based on operating characteristics, environmental limits capability, physical size and profile among other requirements. These requirements are a significant rationale for the provision of the Government Supplied Materials (GSM).

In addition, to ensure compatible connectivity between devices, some components are irreplaceable and are NOT to be considered for equivalence substitution. These components have been indicated in the Bill of Material (BOM) in the respective metering device drawing summarized in Table 2.

Table 2: Reference to Bill of Material for Respective Metering Devices

ITEM	DESCRIPTION	DOCUMENT CODE	REV.	REV. DATE
1.1	Central Unit (CU) – HMI Logger Kit – Electrical BOM	EL-01_CU_G10 Page 7	Rev1	2020/10/05
2.1	PU48 Power Unit Kit – Electrical BOM	EL-01_PU_PS48 Page 12	Rev1	2020/10/05
3.1	PU12 Power Unit Kit – Electrical BOM	EL-01_PU_PS12 Page 6	Rev1	2020/10/05
4.1	Shelter Enviro-Power Kit – Electrical BOM	EL-01_Shelterkit Page 8	Rev1	2020/10/05

### 5.2 Central Unit (CU) – HMI Logger Kit Requirements

Required quantity per FMP: 1

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This metering device performs the primary power generation measurement and operational utilisation data logging, weather station monitoring data logging and HMI display for system functions.

The GSM for this device and provided to the Contractor for the assembly include;  
Qty. 1 - RED LION G10S0000 RUGGED OPERATOR PANEL (HMI and data logger)  
Qty. 1 - DENT PS12-P-D-ERDC (No Enclosure) Power Meter  
Qty. 12 – DENT CT-R16-A4-U RoCoil Flexible CT

The device contains the following main components:  
NEMA Type 4X Rated enclosure with back panel, interior swing panel and door window,  
Power Meter Reference / Control Power Connection  
Power Meter Breakers  
Control Power Breakers and Fused Terminal Block  
Power Supply - 320-600 VAC  
24 VDC UPS with Integrated Battery  
Ethernet Switch – Unmanaged  
Weather Station Connector, RJ45 and 7-Pin Panel Mount CT Connectors (ingress protection IP65 minimum)

The Contractor must provide an assembled Central Unit as per Drawing EL-01\_CU\_G10 & MEC-01\_CU\_G10 into a complete package and tested at both a nominal 480 VAC and 600 VAC supply voltage. The usual deployed voltage is 480 VAC with occasional deployment requirements on 600 VAC power systems. The FAT report to include measurement readings checks of each power channel. An end-to-end test is required to ensure correct CT assembly. (CT to power meter)

Each FMP CU to include four (4) CT Assemblies of RoCoil 3-Phase CT monitoring cables constructed with the 12-DENT CT-R16-A4-U RoCoil's provided, along with the specified 6-conductor shielded cable (See Appendix 1) and 7-pin connectors fitted to each cable. Details of the CT Assemblies are in Drawing EL-01\_CU\_G10.

### **5.3 PU48 Power Unit Kit Requirements**

Required quantity per FMP: 1

This metering device is a monitoring unit that provides an additional 16 channels of electrical power measurement. It also provides data communication with the Central Unit through an Ethernet cable connection.

The GSM for this device and provided to the Contractor for the assembly include;  
Qty. 1 - DENT PS48-P-D-ERDC (No Enclosure) Power Meter  
Qty. 48 – DENT CT-R16-A4-U RoCoil Flexible CT

The device contains the following main components:  
NEMA Type 4X Rated enclosure with back panel,  
Power Meter Reference / Control Power Connection  
Power Meter Breakers  
RJ45 and Qty. 16 - 7-Pin Panel Mount Connectors

The Contractor must provide an assembled PU48 Power Unit as per Drawing EL-01\_PU\_PS48 & MEC-01\_PU\_PS48 into a complete package and tested at both a nominal 480 VAC and 600 VAC supply voltage. The usual deployed voltage is 480 VAC with occasional deployment requirements on 600 VAC power systems. The FAT report to include measurement readings checks of each power channel. An end-to-end test is required to ensure correct CT assembly (CT to power meter).

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Each FMP PU48 to include sixteen (16) CT Assemblies consisting of RoCoil 3-Phase CT monitoring cables constructed with the 48 - DENT CT-R16-A4-U RoCoil's provided, along with the specified 6-conductor shielded cable (See Appendix 1) and 7-pin connectors fitted to each cable. CT Assemblies detailed are in Drawing EL-01\_PU\_PS48.

#### **5.4 PU12 Power Unit Kit Requirements**

Required quantity per FMP: 1

This metering device a monitoring unit that provides an additional 4 channels of electrical power measurement. It also provides data communication with the Central Unit through an Ethernet cable connection.

The GSM for this device and provided to the Contractor for the assembly include;

Qty. 1 - DENT PS12-P-D-ERDC (No Enclosure) Power Meter  
Qty. 12 – DENT CT-R16-A4-U RoCoil Flexible CT

The device contains the following main components:

NEMA Type 4X Rated enclosure with back panel,  
Power Meter Reference / Control Power Connection  
Power Meter Breakers  
RJ45 and Qty. 4 - 7-Pin Panel Mount Connectors

The Contractor must provide an assembled PU12 Power Unit as per Drawing EL-01\_PU\_PS12 & MEC-01\_PU\_PS12 into a complete package and tested at both a nominal 480 VAC and 600 VAC supply voltage. The usual deployed voltage is 480 VAC with occasional deployment requirements on 600 VAC power systems. The FAT report to include measurement readings checks of each power channel. An end-to-end test is required to ensure correct CT assembly. (CT to power meter)

Each FMP PU12 to include four (4) CT Assemblies consisting of RoCoil 3-Phase CT monitoring cables constructed with the 12 - DENT CT-R16-A4-U RoCoil's provided, along with the specified 6-conductor shielded cable (See Appendix 1) and 7-pin connectors fitted to each cable. CT Assemblies detailed are in Drawing EL-01\_PU\_PS12.

#### **5.5 Shelter Enviro-Power Kit Requirements**

This metering device a standalone shelter-monitoring unit that provides power and temperature measurement in deployed shelters. Measurement data is logged by the controller and is manually downloaded in the field.

The GSM for this device and provided to the Contractor for the assembly include;

Qty. 1 - DENT PS3037-E-N Power Meter  
Qty. 1 – Red Lion GRAC0001 Controller / Data Logger  
Qty. 1 – Red Lion GEXRACK2 Extension Rack  
Qty. 2 – Red Lion GMRTD600 RTD Modules  
Qty. 1 – Red Lion GMUIN400 Universal Input Module  
Qty. 11 – Custom 3-Wire, Class 'A' RTD's, 9 metres (30') PFA wire  
Qty. 5 – PFA 3 wire RTD Extension Cables, 3" unstripped ends

The device contains the following main components:

NEMA Type 4X Rated enclosure with back panel,  
Power Inlet and Receptacles for Metering and Control Power Connection  
3 - Split Core CT's 100 Amp.  
Power Meter Breakers  
Control Power Breakers and Fused Terminal Block  
Power Supply - 180-550 VAC

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24 VDC UPS with Integrated Battery  
Ethernet Switch – Unmanaged  
RJ45 Receptacle, 9 - 3-Pin & 1 - 2-Pin Panel Mount Connectors

The Contractor must provide an assembled Shelter Enviro-Power Kit as per Drawing EL-01\_Shelterkit & MEC-01\_Shelterkit into a complete package and tested at a nominal 208/3Ø/60Hz VAC supply voltage.

## **6. Deliverables**

### **6.1 Deliverables for requirement 5.1: Field Metering Packages (FMP)**

6.1.1 For each FMP ordered, the Contractor must deliver a package consisting of 3 (3) individual metering devices and accessory components (e.g. CT assemblies, connection cables, etc.), including packing cases as described in sections 5.1.

6.1.2 The Contractor must deliver a Client FAT report for each individual metering device as a PDF electronic format document in English/French.

6.2.1 For each field metering device ordered, the Contractor must deliver a package consisting of one (1) individual metering devices and accessory components (e.g. CT assemblies, connection cables, etc.), including packing cases as described in sections 5.1.

6.2.2 The Contractor must deliver a Client FAT report for each individual metering device as a PDF electronic format document in English/French.

6.3 TABLE OF TECHNICAL COMPLIANCE

<b>Deliverable Technical Criteria :</b> <b>Upon delivery all technical criteria must be met.</b> <b><u>See:</u> 6.3.2- Inspection and Acceptance</b>	
<b>1.</b>	Field Metering Device Packaging Cases Meet the following criteria: Maximum air ship linear length (length + width + height): 292.1 cm (115 inches) Maximum length 203.2 cm (80 inches) Maximum weight 32 kg (70 lb) (including package contents) IP 67 Ingress Protection Certification DEF-STAN 81.41 Environmental Certification
<b>2.</b>	All appropriate gauge Appliance Wiring Material (AWM) / Thermoplastic Equipment Wire (TEW) panel wire have a temperature rating of: Minimum range: -40°C to 105°C
<b>3.</b>	Pin and sleeve receptacles and inlet for the Central unit, PU 48 Power Unit and PU 12 Power Unit meet the following criteria: Voltage: ≥ 600 V Amperage: ≥ 20 A Minimum range: -40°C to 60°C IP67
<b>4.</b>	Pin and sleeve receptacles for the Shelter-Enviro kits must meet the following: IEC60309 IP67 Voltage: ≥ 415 V Amperage: ≥ 63 A Minimum Temperature range: -20°C to 40°C 4 pole, 5 wire

## **7. DATE OF DELIVERY**

Deliverable 6.1: Specified at 6.4.2

Deliverable 6.2: Within 12 weeks following delivery of government supplied materials (GSM)

## **8. Language of Work**

French and/or English

## **9. DELIVERY LOCATION**

Natural Resources Canada  
Government of Canada  
1615 boul Lionel-Boulet,  
Varenes, QC J3X 1P7  
Canada

## **10. GOVERNMENT SUPPLIED MATERIAL (GSM)**

See details of the GSM in the first numbered list of sections 5.2, 5.3, 5.4 & 5.5.

The Contractor is responsible for the integrity of the work and administers any claim for damage, breakage or malfunction of the equipment supplied by NRCan (Government Supplied Material), and this from the delivery in good condition of the equipment supplied by NRCan at the place requested by the contractor.

Before leaving the NRCan's facility, a photo report will be produced to ensure the defect-free quality of the equipment. The photo report will be provided electronically to the Contractor before leaving NRCan's facility.

The Contractor must notify NRCan of any damage occurring during delivery, all accompanied by photographic evidence. NRCan will take care of any claim with the carrier, if applicable.

If the NRCan supplied equipment becomes defective due to incorrect installation and use by the contractor, the Contractor must acquire a replacement directly from the component Supplier.

If the NRCan supplied equipment is found to be defective upon receiving the equipment, the contractor must notify NRCan and NRCan will send a replacement part at NRCan's cost.

After the delivery and acceptance of the equipment, the Contractor accepts and assumes full responsibility for the equipment supplied by NRCan and administers any warranty claim.

## APPENDIX 1-CT Assembly Cable Specifications

<b>Cercos cable</b>		
Montreal, Quebec, Canada		
Specification sheet	Rev. 06/21/18	
Ressources Naturelles Canada 22 ga 6 conductors shielded Polyurethane jacket		
<b>General</b>	<b>Jacket</b>	
1 Cable code	31 Material	Polyurethane
2 Type	32 Thickness	0,50"
3 Manufacturer NEW N23-34T-00010-2U	33 Color	Black
4 Vendor Cerco	34 Rip cord	n/a
5 Model no. <b>RNCF6PUK50SPU-1</b>	35 Flame test	
6	36 Outside diameter	0,260" +/-0,008"
<b>Conductors</b>	<b>Armor</b>	
7 Material Tinned copper	43 Type	
8 Size 22 awg	44 Construction	
9 Stranding 19 x 34 awg	45 Material	
10 Cabling lay	46	
11 Configuration Conducteur	47	
12 Color code * See Below	48	
<b>Insulation</b>	<b>Options</b>	
13 Type	49 UL approbation	AWM 10860
14 Insulating material PFA	50 Print	
15 Insulation temperature +105, -30 ° C	51 H.L. approved	
16 Insulation thickness 0,010"	52 Quality insurance	ISO 9002
17 Voltage 600 volts	53	
18	<b>Characteristics</b>	
<b>Shield</b>	54 Over all diameter (Nom)	0,260"
19 Type Foil	55 Bending radius	2,6"
20 Material Aluminum/mylar	56 Cable weight (Nom)	
21 Thickness 0.0015"	57 Capacitance(Cond./Cond.)	
22 Apply to Conductor	58 Capacitance(cond./shield)	
23	59 Impedance (Nom.)	
<b>Drain wire</b>	<b>Special instruction</b>	
24 Material Tinned copper	27 Filler Aramid 50 (kevlar) <b>In the center</b>	
25 Size 24 awg	28 Paper Tape 45% over lap	
26 Construction 19 x 36 awg		

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29 30	60 Conductor resistance at 20° C 16.6 W/1000 feet
<b>*Black, White, Red, Green, Blue, Yellow</b>	

**ANNEX "B" – BASIS OF PAYMENT**

**PART A**

Art.	Description	Qty	UD	Firm Unit Price	Total Firm Price
<b>April 1 2021 to March 31 2022</b>					
A.1	Field Metering Package:  1 x Central Unit 1 x Central Unit Accessories 1 x PU 48 Power Unit 1 x PU 48 Power Unit Accessories 1 x PU 12 Power Unit 1 x PU 12 Power Unit Accessories (As described in Annex A and the attachments)	3	EACH	_____ \$	_____ \$
A.2	Field Metering Package Factory Acceptance Test:  1 x Central Unit and Accessories 1 x PU 48 Power Unit and Accessories 1 x PU 12 Power Unit and Accessories (As described in Annex A)	3	EACH	_____ \$	_____ \$
A.3	Field Metering Package Packaging Cases  1 x Central Unit 1 x Central Unit Accessories 1 x PU 48 Power Unit 1 x PU 48 Power Unit Accessories 1 x PU 12 Power Unit 1 x PU 12 Power Unit Accessories (As described in Annex A)	3	EACH	_____ \$	_____ \$
A.4	DDP (Quebec, Quebec, Canada), including customs duties, handling and the delivery	1	LOT	_____ \$	_____ \$
<b>TOTAL PART A</b>					_____ \$

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<b>(A.1 + A.2 + A.3 + A.4)</b>	
<b>If the currency is different from CAD \$, please indicate: _____</b> <b>Customs fees and other applicable taxes not included.</b>	

## PART B

### OPTIONAL GOODS

The following optional field metering devices may be procured up to and including March 31, 2022

Art.	Description	Qty	UD	Firm Unit Price	Total Firm Price
B.1	Central Unit Field Metering Device  1 x Central Unit 1 x Central Unit Accessories 1 x Central Unit Packaging Case 1 x Central Unit Accessories Packaging Case 1 x Factory Acceptance Test DDP (Quebec, Quebec, Canada), including customs duties, handling and the delivery (As described in Annex A and the attachments)	4	EACH	_____ \$	_____ \$
B.2	PU 48 Power Unit Field Metering Device  1 x PU 48 Power Unit 1 x PU 48 Power Unit Accessories 1 x PU 48 Power Unit Packaging Case 1 x PU 48 Power Unit Accessories Packaging Case 1 x Factory Acceptance Test DDP (Quebec, Quebec, Canada), including customs duties, handling and the delivery (As described in Annex A)	8	EACH	_____ \$	_____ \$
B.3	PU 12 Power Unit Field Metering Device  1 x PU 12 Power Unit 1 x PU 12 Power Unit Accessories 1 x PU 12 Power Unit Packaging Case 1 x PU 12 Power Unit Accessories Packaging Case 1 x Factory Acceptance Test DDP (Quebec, Quebec, Canada), including customs duties, handling and the delivery (As described in Annex A)	8	EACH	_____ \$	_____ \$
B.4	Field Metering Device:	8	EACH	_____ \$	_____ \$

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	1 x Shelter-Enviro Power Kit 1 x Shelter-Enviro Power Kit Accessories 1 x Factory Acceptance Test (As described in Annex A and the attachments)				
B.5	Field Metering Device Packaging Cases  1 x Shelter-Enviro Power Kit 1 x Shelter-Enviro Power Kit Accessories (As described in Annex A)	8	EACH	_____ \$	_____ \$
<b>TOTAL OPTIONAL</b> (B.1 + B.2 + B.3 + B.4 + B.5)					_____ \$
<b>GRAND TOTAL</b> (Part 1 + Part optional)					_____ \$
<p>If the currency is different from CAD \$, please indicate: _____</p> <p>Customs fees and other applicable taxes not included.</p>					

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**ANNEX "C" – MECHANICAL DRAWINGS**

*Refer to the attachments*

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**ANNEX "D" – ELECTRICAL DRAWINGS**

*Refer to the attachments*

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### ANNEX "E" – MANDATORY TECHNICAL REQUIREMENTS

At the closure date, bids will be evaluated on the following technical requirements at Annex "E" - Mandatory technical criteria.

**IMPORTANT: the bidder should clearly demonstrate how the proposed equipment complies to each mandatory technical criteria. Simply stating that the criteria are met is not sufficient.** Where it is necessary to refer to other documentation that is included in the proposal, bidders should include the precise location of the reference material including the title of the document, and the page and paragraph numbers. It is the bidder's responsibility to provide enough details to permit a complete evaluation.

Any proposal that does not clearly demonstrate compliance with each of the technical criteria listed in the Table of technical compliance will be considered non-responsive.

TABLE OF TECHNICAL COMPLIANCE	
Mandatory Technical Criteria:	Bidder's Specifications ( <u>must indicate the reference to the technical documentation included in Bid or indicate the exact information</u> )
1. Assembly must be done by a company accredited by the CSA.	

The following requirements will need to be met and be verified upon delivery. The bidder shall indicate that they acknowledge that the field metering devices will be constructed as per the drawings and bill of material attached in the request for bids.

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**ANNEX "F" – ELECTRONIC PAYMENTS 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)

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**ANNEX "G" – COMPLETE LIST OF COMPANY BOARD OF DIRECTORS**

**NOTE TO BIDDERS**  
**WRITE ALL DIRECTOR'S SURNAMES AND GIVEN NAMES IN BLOCK LETTERS**

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**PROCUREMENT - BUSINESS NUMBER (PBN):** \_\_\_\_\_