

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

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**

**11 Laurier St./ 11 rue, Laurier  
Place du Portage, Phase III  
Core 0A1 / Noyau 0A1  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776**

**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> Magnetic Particle Inspection Unit	
<b>Solicitation No. - N° de l'invitation</b> W8486-140285/A	<b>Date</b> 2013-10-18
<b>Client Reference No. - N° de référence du client</b> W8486-140285	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PV-916-63724	
<b>File No. - N° de dossier</b> pv916.W8486-140285	<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 2013-12-02</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST	
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Emond, Linda A.	<b>Buyer Id - Id de l'acheteur</b> pv916
<b>Telephone No. - N° de téléphone</b> (819) 956-4014 ( )	<b>FAX No. - N° de FAX</b> (819) 956-3814
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**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**

Scientific, Medical and Photographic Division / Division de  
l'équipement scientifique, des produits photographiques et  
pharmaceutiques  
11 Laurier St./ 11 rue, Laurier  
6B1, Place du Portage  
Gatineau, Québec K1A 0S5

<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>



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	DND C/O QETE WAREHOUSE 819-997-1706 RAMP # 7F-1113 45 SACRE-CŒUR BLVD GATINEAU QC J8X 1C6 CANADA	W8486	DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. Brenden Holmes DLP 4-4-1-1 OTTAWA Ontario K1A0K2 Canada



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	Magnetic Particle Inspection Unit Wet Horizontal Magnetic particles Inspection unit as per Annex "A" Mandatory Specification • P/N offered _____	D - 1	W8486	1	Each	\$ \$	See Herein	

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Solicitation No. - N° de l'invitation

W8486-140285/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv916

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W8486-140285

pv916W8486-140285

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**List of Annexes:**

Annex A	Mandatory Specification
Annex B	Complete List of Affiliates

## PART 1 - GENERAL INFORMATION

### 1. Security Requirement

There is no security requirement associated with this bid solicitation..

### 2. Requirement

The requirement is detailed under the "Line Item Detail".

### 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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

## PART 2 - BIDDER INSTRUCTIONS

### 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>) 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 (2013-06-01) 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:	sixty (60) days
Insert:	ninety (90) days

#### 1.1 SACC Manual Clauses

B1000T	Condition of Material	2007-11-30
B3000T	Equivalent Products	2006-06-16

### 2. Submission of Bids

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

### **3. Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than ten (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 questions or may request that the Bidder do so, so that the proprietary nature of the question is eliminated, and the enquiry can be answered with copies to all bidders. Enquiries not submitted in a form that can be distributed to all bidders may not be answered by Canada.

### **4. Applicable Laws**

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

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**

### **1. Bid Preparation Instructions**

Canada requests that bidders provide their bid in separately bound sections as follows:

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

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 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

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). 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.

## 1.1 Section I: Technical Bid

The following applies to the Requirement and bidders must provide the following information in the bid where applicable:

### 1.1.1 Installation

Complete installation: including bringing MPI bench to its final location and connecting MPI Unit and transformer to the existing breaker.

Connect the existing pressurized air to the bench (if required).

On-site installation must be provided and be carried out by a qualified service technician.

State your best installation schedule. Installation will be carried out within \_\_\_\_\_ calendar days of delivery and be completed within \_\_\_\_\_ calendar days.

### 1.1.2 Training

1 day training (English). On-site user training must be provided for up to 5 users. All costs associated with the on-site training must be included in the price.

On-site training will be completed within \_\_\_\_\_ calendar days of installation. Provide complete details of training e.g. duration, scope, etc.,

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### 1.1.3 Service

Purchase of the system must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system. Service cost must be included in the price.

Response for service must be within 24 hours or less.

Also, provide the following with your bid (for information purposes only):

- a) Location of available service facilities (after sales service and repair). List the service facilities closest to the destination.

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- b) Locations of available replacement parts from consumables to major components.

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- c) Response time re: service calls, and escalation schedule, i.e. (how many days with no resolution to a problem until a more experienced person is called in, and from which location).

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- d) List the frequency of routine maintenance visits provided by a qualified service technician during the warranty period, if applicable and included in the price.

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### 1.1.4 Product(s) Offered

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: \_\_\_\_\_

Model/Part Number: \_\_\_\_\_

Literature attached: Yes (\_\_\_\_) No (\_\_\_\_)

### 1.1.5 Point of Manufacture/Shipping

The Bidder must state the point of manufacture/shipping of goods or where service is to be performed:

Location: \_\_\_\_\_

Postal Code: \_\_\_\_\_

### 1.1.6 Delivery

While delivery, installation, training, and all deliverables must be no later than **March 31, 2014**, the best delivery that could be offered by the Bidder is \_\_\_\_\_.

### 1.1.7 Contacts

Bidders are requested to provide the following: Information pertaining to Article 5.3 Contractor Representatives under Part 6, Resulting Contract Clauses.

## 1.2 Section II: Financial Bid

The bidder must quote a firm lot price all inclusive of supply, installation, training and manuals , DDP (Gatineau, Québec), the total amount of applicable taxes must be shown separately. Freight charges to destination and all applicable Customs duties and Excise taxes must be included.

### 1.2.1 Exchange Rate Fluctuation

C3011T

Exchange Rate Fluctuation

2010-01-11

## 1.3 Section III: Certifications

Bidders must submit the certifications required under Part 5.

## PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

### 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.

#### 1.1 Technical Evaluation

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

Factors for Evaluation

- 1. PRICING BASIS (MANDATORY): Prices must be firm, DDP Delivered Duty Paid.
- 2. ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):

a) For Items Identified by Trade Reference, Model, or Part Number:

Ability to offer the stores specified "or equivalent". Equivalent substitutes for the stores specified herein will be considered provided the trade reference and the words "or equivalent" are crossed out and replaced by the trade reference of the stores offered. Equivalents will be evaluated in terms of form, fit, performance/function and quality. Equivalents must provide service equal to or better than the stores specified. The bidder warrants that all proposed substitutes will be fully interchangeable with the trade reference specified.

b) For Items Defined by Specifications:

The bidder is requested to cross reference the mandatory technical criteria contained herein to their supporting technical documentation.

c) Provision of Supporting Technical Documentation:

Supporting technical documentation for the stores offered must be provided with the bid at time of bid closing.

Technical brochures or technical data **MUST** be provided to verify compliancy to the technical mandatory specifications.

3. COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)

4. Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - (see Part 5).

5. The Bidder must provide proof of certification of CSA or ULC standard (photocopy of certificate will suffice)

1.1.1 Mandatory Technical Criteria

As per Annex "A"

**1.2 Financial Evaluation**

The lowest evaluated price will be established using the following criteria:

- a) prices will be evaluated in Canadian Funds including excise taxes, Canadian Customs Duty (if applicable) and applicable taxes excluded. For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of bid closing.

- b) prices will be evaluated on a DDP Gatineau Québec

## 2. Basis of Selection

A0031T

Basis of Selection -  
Mandatory Technical Criteria Only

2010-08-16

## PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and related documentation to be awarded a contract. Canada will declare a bid non-responsive if the required certifications and related documentation are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications, to provide the related documentation or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

### 1. Mandatory Certifications Required Precedent to Contract Award

#### 1.1 Code of Conduct and Certifications - Related documentation

- 1.1.1 By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required will assist Canada in confirming that the certifications are true.

### 2. Additional Certifications Required with the Bid

Bidders must submit the following duly completed certifications with their bid.

#### 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](http://www.hrsdc.gc.ca/eng/labour/index.shtml)" list (<http://www.hrsdc.gc.ca/eng/labour/index.shtml>) available from [Human Resources and Skills Development Canada \(HRSDC\)](http://www.hrsdc.gc.ca/eng/labour/index.shtml) - Labour's website.

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](http://www.hrsdc.gc.ca/eng/labour/index.shtml)" list at the time of contract award.

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## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement applicable to this contract.

### 2. Requirement

#### 2.1 Requirement

The requirement is detailed under the "Line Item Detail".

#### 2.2 Installation

On-site installation must be provided and be carried out by a qualified service technician.

State your best installation schedule. Installation will be carried out within \_\_\_\_\_ calendar days of delivery and be completed within \_\_\_\_\_ calendar days.

#### 2.3 Manuals

One complete set of operating and maintenance manuals user documentation in English/French must be supplied. (CD acceptable).

#### 2.4 Training

On-site user training must be provided for up to \_\_\_\_\_ users.

### 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>) issued by Public Works and Government Services Canada.

#### 3.1 General Conditions

2010A (2013-04-25) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

Subsection 9 of 2010A (2013-04-25) General Conditions - Goods or Services, is amended as follows:

Delete: Subsection 9 in his entirety.

Insert: " The Work is subject to inspection and acceptance by Canada. Despite prior acceptance of the Work and without restricting any conditions or warranty imposed by law, the Contractor, if requested by the Minister to do so, must replace, repair or correct at its option and its own expense any Work which becomes defective or which fails to conform to the Contract requirements, where applicable. For goods, the on-site warranty period will be **24 months** after delivery and acceptance or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer. The on-site warranty covers parts, labor and all related expenses. Any Work replaced, repaired or corrected pursuant to this section is subject to all provisions of the contract to the same extent as Work initially performed."

Two (2) year warranty covering parts and labour. Five (5) year warranty covering Frame and Tank

#### **4. Term of Contract**

##### **4.1 Delivery Date**

All the deliverables must be received on or before \_\_\_\_\_ **(to be filled in only at contract award).**

#### **5. Authorities**

##### **5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Linda Emond  
Public Works and Government Services Canada  
Acquisitions Branch  
Commercial Consumer Products Directorate  
11 Laurier Street, 6A2, Phase III  
Place du Portage, Gatineau, Quebec, K1A 0S5  
Telephone: (819) 956-4014  
Facsimile: (819) 956-3814  
E-mail address: linda.emond@pwgsc.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.

##### **5.2 Technical Authority (to be filled in only at contract award)**

The Technical Authority for the Contract is:

Name: \_\_\_\_\_  
 Telephone: (\_\_\_\_) \_\_\_\_\_  
 Facsimile: (\_\_\_\_) \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

The Technical Authority named above 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 Technical Authority, however the Technical 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.

### 5.3 DND Procurement Authority (to be filled in only at contract award)

The DND Procurement Authority for the Contract is:

Name: \_\_\_\_\_  
 Telephone: (\_\_\_\_) \_\_\_\_\_  
 Facsimile: (\_\_\_\_) \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

The DND Procurement Authority is responsible for the DND contract management and for the authorization of all work against this contract.

### 5.4 Contractor's Representative (fill in)

The telephone number of the person responsible for:

#### General enquiries

Name: \_\_\_\_\_  
 Telephone No. \_\_\_\_\_  
 Facsimile No. \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

#### Delivery Follow-up

Name: \_\_\_\_\_  
 Telephone No. \_\_\_\_\_  
 Facsimile No. \_\_\_\_\_  
 E-mail address: \_\_\_\_\_

## 6. Payment

### 6.1 Basis of Payment - Firm Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price, as specified in Annex "A" for a cost of \$ \_\_\_\_\_ (to be filled in only at contract award). Customs duties are included, and Applicable Taxes are extra.

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

## 6.2 SACC Manual Clauses

H1000C

Single Payment

2008-05-12

## 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 following address for certification and payment.  
  
**Dept of National Defence  
 101 Colonel By Dr.  
 Ottawa, Ontario  
 Canada W8486  
 Attn: Brenden Holmes DLP 4-4-1-1**
  - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.
  - (c) one (1) copy must be forwarded to the consignee.
  - (d) To facilitate the payment process, it is important that the Contractor quote the contract number on all the invoices, shipping bills and packing slips. Failure to do so will delay payment and the date used for calculating interest on overdue accounts.

## 8. Certifications

### 8.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.



## 8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and HRSDC-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "FCP Limited Eligibility to Bid" list. The imposition of such a sanction by HRSDC will constitute the Contractor in default as per the terms of the Contract.

## 9. Applicable Laws

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

## 10. Priority of Documents

If there is a discrepancy between the wordings 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) 2010A (2013-04-25) General Conditions - Goods (Medium Complexity);
- (c) Requirement;
- (d) the Contractor's bid dated (to be filled in at contract award).

## 11. SACC Manual clause

B1501C	Electrical Equipment	2006-06-16
A9006C	Defence Contract	2012-07-16
A9062C	Canadian Forces Site Regulations	2011-05-16
A9068C	Government Site Regulations	2010-01-11
A2000C	Foreign Nationals (Canadian Contractor)	2006-06-16
A2001C	Foreign Nationals (Foreign Contractor)	2006-06-16

## 12. Shipping Instructions - Delivery at Destination

1. Goods must be consigned to the destination specified in the Contract and delivered:  
  
Delivered Duty Paid (DDP) Gatineau, Québec Incoterms 2000 for shipments from a commercial contractor.
2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes.

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**ANNEX A****MANDATORY SPECIFICATIONS****MULTI-DIRECTIONAL WET HORIZONTAL MAGNETIC PARTICLE INSPECTION UNIT**

**Deliver, install and demonstrate functionality of the Wet Horizontal Magnetic Particle Inspection (MPI) must meet all performance requirements listed in this document;**

**Vendors must cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.**

**Performance & Specifications below from 1 to 41 are mandatory:**

**1.0** Minimum current capability at contacts: 6000 amp Full Wave/Half-Wave DC and 5000 amp AC output.

**Reference in Contractors Proposal:** \_\_\_\_\_

**2.0** The output range must be certified to be within  $\pm 5\%$  or 50 amps, whichever is greater through the operating range (50 amp to maximum).

**Reference in Contractors Proposal:** \_\_\_\_\_

**3.0** Power supply - three outputs: Contacts, Multi-directional coils (Flux-Flow equivalent), and 16" ID auxiliary coil.

**Reference in Contractors Proposal:** \_\_\_\_\_

**4.0** Three Independent variable current controls (Full Wave DC, Half Wave DC and AC) with keypad entry.

**Reference in Contractors Proposal:** \_\_\_\_\_

**5.0** Reversing FWDC or decaying AC Demagnetization capabilities.

**Reference in Contractors Proposal:** \_\_\_\_\_

**6.0** Minimum of 85 inch, maximum 100 inches headstock/tailstock capacity.

**Reference in Contractors Proposal:** \_\_\_\_\_

**MPI Bench Features:**

**7.0** Push bar design for activation.

**Reference in Contractors Proposal:** \_\_\_\_\_

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**8.0** Three Digital Ammeter Displays.**Reference in Contractors Proposal:** \_\_\_\_\_**9.0** Independent Contact, Multi-directional (Flux Flow equivalent), and Aux Coil Current Type Selection**Reference in Contractors Proposal:** \_\_\_\_\_**10.0** Multi-Lingual (French, English).**Reference in Contractors Proposal:** \_\_\_\_\_**11.0** 16 inch diameter auxiliary coil.**Reference in Contractors Proposal:** \_\_\_\_\_**12.0** Footswitch-activated pneumatic headstock.**Reference in Contractors Proposal:** \_\_\_\_\_**13.0** Stainless steel tank.**Reference in Contractors Proposal:** \_\_\_\_\_**14.0** Front and rear hardwood grilles.**Reference in Contractors Proposal:** \_\_\_\_\_**15.0** Transformer to accommodate existing 575 VAC, 3 phases power.**Reference in Contractors Proposal:** \_\_\_\_\_**16.0** Monitor - colored operator interface, touch screen, resistant to oil and penetrant (monitor must be IP 65 certified or equivalent).**Reference in Contractors Proposal:** \_\_\_\_\_**17.0** RS-232 port for computer interface.**Reference in Contractors Proposal:** \_\_\_\_\_**18.0** Multi-lingual (French & English) computer controls.**Reference in Contractors Proposal:** \_\_\_\_\_**19.0** Quick disconnect wiring installed.**Reference in Contractors Proposal:** \_\_\_\_\_

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**20.0** Fluid re-circulation and agitation system.

**Reference in Contractors Proposal:** \_\_\_\_\_

**Ergonomic & Safety Features:**

**21.0** Security systems (password protection, supervisor locks)

**Reference in Contractors Proposal:** \_\_\_\_\_

**22.0** Adjustable shot time

**Reference in Contractors Proposal:** \_\_\_\_\_

**23.0** Push bar sensitivity and operator disable control switch.

**Reference in Contractors Proposal:** \_\_\_\_\_

**Inspection Enclosure**

**24.0** Black Light.

**Reference in Contractors Proposal:** \_\_\_\_\_

**25.0** Adjustable length curtain (Theatre Style) with front access.

**Reference in Contractors Proposal:** \_\_\_\_\_

**26.0** White Light and Ventilation Fan.

**Reference in Contractors Proposal:** \_\_\_\_\_

**27.0** White Light Control from Operator Interface.

**Reference in Contractors Proposal:** \_\_\_\_\_

**28.0** Fan On/Off Switch on Operator Interface.

**Reference in Contractors Proposal:** \_\_\_\_\_

**Start Up Kit that must include as a minimum:**

**29.0** Centrifuge tube, 100 ml, 0-1.0 ml in 0.05 ml increments.

**Reference in Contractors Proposal:** \_\_\_\_\_

**30.0** Centrifuge tube aluminum stand.

**Reference in Contractors Proposal:** \_\_\_\_\_

**31.0** Field indicator.

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**Reference in Contractors Proposal:** \_\_\_\_\_

**32.0** Two Double-Braided Copper Pads with V- Blocks.

**Reference in Contractors Proposal:** \_\_\_\_\_

**33.0** Pie Field Indicator.

**Reference in Contractors Proposal:** \_\_\_\_\_

**34.0** UV Filtering Safety Glasses, non tinted (2 pairs)

**Reference in Contractors Proposal:** \_\_\_\_\_

**35.0** Oil vehicle.

**Reference in Contractors Proposal:** \_\_\_\_\_

**36.0** Magnetic particles, 1 lb bottle.

**Reference in Contractors Proposal:** \_\_\_\_\_

**Other requirements:**

**37.0** Minimum of 20 customer programmable menus for pre-programming of inspection setups (for magnetizing and demagnetization).

**Reference in Contractors Proposal:** \_\_\_\_\_

**38.0** Current Assurance indicator; Indicate the operator if the current did not pass through or magnetic field was not set up in test piece

**Reference in Contractors Proposal:** \_\_\_\_\_

**39.0** Supplier must warranty the Wet Horizontal Magnetic particles Inspection (MPI) Unit for parts and labour;  
Two (2) year warranty covering parts and labour.  
Five (5) year warranty covering Frame and Tank.

**Disposal**

**40.0** The contractor must disconnect, remove and dispose of the MPI Bench that is currently in use by QETE in room C-2116 of the National Printing Bureau building located at 45 Sacré-Coeur Boulevard, Gatineau QC.

**Reference in Contractors Proposal:** \_\_\_\_\_

**41.0** Calibration and certificate included.

Solicitation No. - N° de l'invitation

W8486-140285/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

pv916

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

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**Preference in Contractors Proposal:** \_\_\_\_\_

**Note:**

**DELIVERABLES**

Must be delivered to QETE 2-5-11, 45 Sacré-Coeur Boulevard, Gatineau QC, Ramp 7 F-1113 and then move to room C-2116 for installation

Solicitation No. - N° de l'invitation

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## **ANNEX B**

### **COMPLETE LIST OF AFFILIATES (As per Standard Instructions, Clauses and Conditions Part 2)**

Name\_\_\_\_\_ Position \_\_\_\_\_

Name\_\_\_\_\_ Position \_\_\_\_\_

Name\_\_\_\_\_ Position \_\_\_\_\_

Name\_\_\_\_\_ Position \_\_\_\_\_