



National Defence

Défense nationale

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Quartier général de la Défense nationale
Ottawa (Ontario)
K1A 0K2

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

Department of National Defence
Danny Ouellette, DLP 7-1-2-1
danny.ouellette@forces.gc.ca

Proposal To: National Defence 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 and services listed herein and on any attached sheets at the price(s) set out therefore.

Proposition à : Défense nationale 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 et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indique(s).

Title/Titre Linear DC Welding Supply and Accessories	Solicitation No – N° de l'invitation W8486-195961/A
Date of Solicitation – Date de l'invitation February 8 2019	
Address Enquiries to – Adresser toutes questions à Danny Ouellette, DLP 7-1-2-1 danny.ouellette@forces.gc.ca	
Telephone No. – N° de téléphone 819-939-9098	FAX No – N° de fax
Destination Department of National Defence C/O QETE Warehouse Ramp 8, Room C1113 45 Sacre-Coeur Blvd. Gatineau, QC, J8X 1C6	

Instructions:

Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Solicitation Closes – L'invitation prend fin

At – à :

2:00 pm

On - le :

February 22 2019

Delivery required - Livraison exigée	Delivery offered - Livraison proposée
March 29th 2019	
Vendor Name and Address - Raison sociale et adresse du fournisseur	
Name and title of person authorized to sign on behalf of vendor (type or print) - Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d'imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____

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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 Canadian Free Trade Agreement (CFTA).

1.4 Canadian Content

This procurement is conditionally limited to Canadian goods.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the good(s) offered are Canadian goods, as defined in clause [A3050T](#), may be considered.

Failure to provide this certification completed with the bid will result in the good(s) offered being treated as non-Canadian goods.

The Bidder certifies that:

- (a) The good(s) offered are Canadian goods as defined in paragraph 1 of clause [A3050T](#).

SACC Manual Clause [A3050T](#) (2018-12-06) Canadian Content Definition

SACC Manual Clause [A3060C](#) (2008-05-12) Canadian Content Certification

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>) issued by Public Works and Government Services Canada.

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

The [2003](#) (2018-05-22) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety.
- b) Section 20(2), Further Information is deleted in its entirety.
- c) Subsection 2.d. of Section 05, Submission of Bids, is deleted in its entirety and replaced with the following:

Send its bid only to the address specified in the bid solicitation.

- d) Section 06, Late Bids, Is deleted in its entirety;
- e) The text under Section 07, Delayed Bids, is deleted in its entirety and replaced with the following:

It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Misrouting or other electronic delivery issues resulting in late submission of bids will not be accepted.
- f) Subsection 1 of Section 08, Transmission by Facsimile, is deleted in its entirety.

2.2 Electronic Submission of Bids

- a) Bids must be submitted only to the Department of National Defence by the date, time and place indicated on page 1 of the bid solicitation. Bids must be received electronically as noted in subparagraph
- b) **Electronic Submissions: Individual e-mails exceeding five (5) megabytes, or that includes other factors such as embedded macros and/or links, may be rejected by the DND e-mail system and/or firewall(s) without notice to the Bidder or Contracting Authority.** Larger bids may be submitted through more than one e-mail. The Contracting Authority will confirm receipt of documents. It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Bidders should not assume that all documents have been received unless the Contracting Authority confirms receipt of each document. In order to minimize the potential for technical issues, Bidders are requested to allow sufficient time before the closing time and date to confirm receipt. Technical and financial documents received after the closing time and date will not be accepted.

Due to the nature of the bid solicitation, bids transmitted by facsimile will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 2 calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.4 Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (1 soft copies by email)

Section II: Financial Bid (1 soft copies by email)

Section III: Certifications (1 soft copies by email)

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

Bidders must use Attachment 1 to Part 3 to indicate their prices. Bidders must include Attachment 1 to Part 3 in their financial bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

(a) use a numbering system that corresponds to the bid solicitation.

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 as follows:

Bidders must submit firm prices, Delivered Duty Paid (DDP) at QETE Warehouse, 45 Sacre-Ceour Blvd. Gatineau, QC J8X 1C6 Incoterms 2010, Applicable Taxes excluded. The total amount of Applicable Taxes must be shown separately.

Bids must be submitted in Canadian dollars.

3.1.1 Electronic Payment of Invoices – Bid

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

If Annex "X" 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 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.
- (c) The evaluation team will determine first if there are two or more bids with a valid Canadian Content certification. In that event, the evaluation process will be limited to the bids with the certification; otherwise, all bids will be evaluated. If some of the bids with a valid certification are declared non-responsive, or are withdrawn, and less than two responsive bids with a valid certification remain, the evaluation will continue among those bids with a valid certification. If all bids with a valid certification are subsequently declared non-responsive, or are withdrawn, then all the other bids received will be evaluated.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

1. General Instructions

The Bid must meet the mandatory technical criteria specified below. Bidders must provide the necessary documentation to support compliance with the requirements, including technical data sheets, specifications, brochures and/or other relevant technical documentation describing the equipment offered and demonstrating compliancy. Each mandatory technical criterion should be addressed separately and in the order presented below.

2. Mandatory Technical Criteria

No.	Mandatory Technical Criteria	Supporting Evidence Required
M1	Bidders must provide supporting evidence in their proposal to demonstrate that their proposed solution meets the mandatory requirements specified in the Mandatory Requirements Compliancy Matrix.	Bidders must complete the Mandatory Requirements Compliancy Matrix.

3. Mandatory Requirements Compliancy Matrix

Where *Provide Proposal Reference or Description* is indicated for the Bidder's response, Bidders must either provide a reference to their technical proposal where information can be found that clearly shows how the requirement is met by the proposed solution, or provide a description of how the requirement is met. **Where the Bidder's technical documentation does not clearly demonstrate that the equipment offered will meet a specific requirement, the Bidder's proposal must provide additional descriptions of how the requirement will be met by the proposed solution.**

Where *Provide Statement of Compliance* is indicated for the Bidder's response, Bidders must commit to complying with the requirement during the performance of the work. Bidders may indicate "Yes" in the compliant column, which will be a commitment to comply, or they may provide a statement committing to comply.

MANDATORY REQUIREMENTS COMPLIANCY MATRIX					
SOR Para. #	MANDATORY REQUIREMENT		COMPLIANT		PROPOSAL REFERENCE OR DESCRIPTION OF HOW REQUIREMENT MET
			Yes	No	
3.	REQUIREMENTS				<i>Provide Proposal Reference or Description</i>
3.3	All electrical components of the Equipment must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada		<input type="checkbox"/>	<input type="checkbox"/>	
3.4	Linear DC Welding Supply Specifications				
3.4.1	Nominal Line Voltage	Single phase 90-264 V AC	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.2	Duty Cycle	4%	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.3	Current	10A – 2500A, 10 Amp/Step	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.4	Voltage	0.1V – 10V at 10 mV/Step	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.5	Power	0.01kW – 20kW, 10 Watt/Step	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.6	Peak Current	2500 A	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.7	Peak Voltage	10 V	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.8	Peak Power	20 kW	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.9	Weld Period Ranges weld time (each section)	Ranges 0-100 msec Resolution (steps) 0.1 msec	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.10	Squeeze/Hold Periods	Ranges 0-5 msec Resolution (steps) 1 msec	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.11	Current Output Accuracy	+/- 10 A	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.12	Voltage Output Accuracy	+/- 0.005 V	<input type="checkbox"/>	<input type="checkbox"/>	
3.4.13	Front panel display must be touch screen interface which offer quick access to the welder controls and the users must be able to customize the interface to display preferred information and/or controls.		<input type="checkbox"/>	<input type="checkbox"/>	
3.5	Micro Weld Head Specifications				<i>Provide Proposal Reference or Description</i>
3.5.1	Weld Force	350 – 3000 grams	<input type="checkbox"/>	<input type="checkbox"/>	
3.5.2	Max Electrode Stroke	1 inch	<input type="checkbox"/>	<input type="checkbox"/>	
3.5.3	Electrode Diameter	¾ inch	<input type="checkbox"/>	<input type="checkbox"/>	
3.5.4	Electrode Configuration	Parallel	<input type="checkbox"/>	<input type="checkbox"/>	
3.5.5	Adjustable Electrode Gap	Yes	<input type="checkbox"/>	<input type="checkbox"/>	

MANDATORY REQUIREMENTS COMPLIANCY MATRIX					
SOR Para. #	MANDATORY REQUIREMENT		COMPLIANT		PROPOSAL REFERENCE OR DESCRIPTION OF HOW REQUIREMENT MET
			Yes	No	
3.5.6	Max Throat Size	12 inches	<input type="checkbox"/>	<input type="checkbox"/>	
3.5.7	Foot Pedal Type	Pneumatic or Manual Cable	<input type="checkbox"/>	<input type="checkbox"/>	
3.5.8	Microscope	Must be equipped with a stereo and/or digital microscope mounted on an articulating arm, and has magnification options ranging from 5X to 50X zoom available. It must have a LED Light Ring integrated	<input type="checkbox"/>	<input type="checkbox"/>	
3.6	The Micro Weld Head Parallel must provide the ability to perform precise, low inertial welds and repeatable welds with no force deflection.		<input type="checkbox"/>	<input type="checkbox"/>	
3.7	All accessories must be included for the operation of the equipment		<input type="checkbox"/>	<input type="checkbox"/>	

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) at QETE Warehouse, 45 Sacre-Coeur Blvd. Gatineau, QC J8X 1C6 Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

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 on an aggregate basis* 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 otherwise specified, 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 Canadian Content Certification

This procurement is conditionally limited to Canadian goods.

Subject to the evaluation procedures contained in the bid solicitation, bidders acknowledge that only bids with a certification that the good(s) offered are Canadian goods, as defined in clause [A3050T](#), may be considered.

Failure to provide this certification completed with the bid will result in the good(s) offered being treated as non-Canadian goods.

The Bidder certifies that:

- a) A minimum of 80 percent of the total bid price consist of Canadian goods as defined in paragraph 1 of clause [A3050T](#).

For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult [Annex 3.6](#), Example 2, of the Supply Manual.

5.1.1.1 *SACC Manual* clause [A3050T](#) (2018-12-06) Canadian Content Definition

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 *Ineligibility and Suspension Policy* (<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.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Canadian Content Certification

This procurement is limited to Canadian goods.

The Bidder certifies that:

- a) A minimum of 80 percent of the total bid price consist of Canadian goods as defined in paragraph 1 of clause [A3050T](#).

For more information on how to determine the Canadian content for a mix of goods, a mix of services or a mix of goods and services, consult [Annex 3.6](#), Example 2, of the Supply Manual.

5.2.3.1.1 *SACC Manual* clause [A3050T](#) (2018-12-06) Canadian Content Definition

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 this Contract.

6.2 Requirement

The Contractor must provide the items detailed under 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, with the following modifications:

a. Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before March 29 2019.

6.4.2 Shipping Instructions

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

1. Incoterms 2010 "DDP Delivered Duty Paid" QETE Warehouse, 45 Sacre-Ceour Blvd. Gatineau, QC J8X 1C6.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Danny Ouellette
Title: Material Acquisition and Support Officer
Department of National Defence
Director General Land Equipment Program Management
Directorate: Directorate Land Procurement
Address: 101 Colonel By Dr.
Ottawa, Ontario, K1A 0K2
Telephone: 819-939-9098
E-mail address: danny.ouellette@forces.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 Technical Authority (*To Be Completed at Contract Award*)

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-_____
Facsimile: ____-____-_____
E-mail: _____.

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.

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-_____
Facsimile: ____-____-_____
E-mail: _____.

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 "A" for a cost of \$ _____ (*insert the amount at contract award*). Customs duties are included and Applicable Taxes are extra.

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

6.6.2 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);

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 on page 1 of the Contract for certification and payment.

6.8 Certifications

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.

6.8.2 SACC Manual Clauses

SACC Manual Clause [A3060C](#) (2008-05-12), Canadian Content Certification

6.9 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*)

6.10 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) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: “, as clarified on _____” or “, as amended on _____” and insert date(s) of clarification(s) or amendment(s)*)

6.11 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

6.12 Insurance

SACC Manual clause [G1005C](#) (2016-01-28), Insurance – No Specific Requirement

6.13 Packaging Requirement

The Contractor must prepare the items for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification *D-LM-008-036/SF-000*, DND Minimum Requirements for Manufacturer's Standard Pack.

SACC Manual clause [D2000C](#) (2007-11-30), Marking

SACC Manual clause [D2001C](#) (2007-11-30), Labelling

SACC Manual clause [D2025C](#) (2017-08-17), Wood Packing Materials

SACC Manual clause [D6010C](#) (2007-11-30), Palletization

6.14 Quality Assurance

SACC Manual clause [D5545C](#) (2010-08-16), ISO 9001:2008 – Quality Management Systems Requirement (Quality Assurance Code C)

SACC Manual clause [D5604C](#) (2008-12-12), Release Documents (Department of National Defence) – Foreign-based Contractor

SACC Manual clause [D5605C](#) (2010-01-11), Release Documents (Department of National Defence) – United States based Contractor

SACC Manual clause [D5606C](#) (2017-11-28), Release Documents (Department of National Defence) – Canadian Based States based Contractor

6.14.1 Release Documents - Distribution

The Contractor must prepare the release documents in a current electronic format and distribute them as follows:

- a. One (1) copy mailed to consignee marked: "Attention: Receipts Officer";
- b. Two (2) copies with shipment (in a waterproof envelope) to the consignee;
- c. One (1) copy to the Contracting Authority;
- d. One (1) copy to the Contractor; and
- e. For all non-Canadian contractors, one (1) copy to:

DQA/Contract Administration
National Defence Headquarters
Mgen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON K1A 0K2

E-mail: ContractAdmin.DQA@forces.gc.ca.

6.15 Electrical Equipment

SACC *Manual* clause [B1501C](#) (2018-06-21), Electrical Equipment

ANNEX "A"

REQUIREMENT

The requirement is subject to a preference for Canadian goods and/or services

1. SCOPE

1.1. Objective

- 1.1.1. The purpose of this Statement of Requirement is to define the technical requirements for a Linear DC Welder System to be procured for the Quality Engineering Test Establishment Electromagnetic Systems group (QETE 4-5).

1.2. Background

- 1.2.1 The Quality Engineering Test Establishment (QETE) is a field unit within the Canadian Armed Forces (CAF) with the mandate to provide the Department of National Defence (DND) and the CAF with specialized, technology-based test and investigative services required to support engineering decisions throughout all phases of materiel acquisition and support. QETE provides technical advice and consultation, material evaluation, investigation and analysis, calibration and measurement, in the domains of mechanical and materials engineering, applied science, electrical engineering, measurement science and imagery.

1.3. Terminology

CAF	Canadian Armed Forces
DND	Department of National Defence
EID	Electrically Initiated Device
HERO	Hazards of Electromagnetic Radiation to Ordnance
NPB	National Printing Bureau
QETE	Quality Engineering Test Establishment
RFSP	Radio Frequency Safety Program
SOR	Statement of Requirement

Table 1 Acronyms and Abbreviations

2. REFERENCE DOCUMENTS

- 2.1. The following standards, references and documents apply to this SOR:

- 2.1.1. Canadian Electrical Code.¹

3. REQUIREMENTS

- 3.1. QETE is the technical authority for the DND/CF Radio Frequency Safety (RFSP) and Hazards of Electromagnetic Radiation to Ordnance (HERO) programs. As part of the HERO program, QETE has a requirement to perform welding on a variety of Electrically Initiated Devices (EID) bridgewires.

- 3.2. The Equipment components are defined as follows:

- 3.2.1. Linear DC Welding Supply; and

¹ <http://www.csagroup.org/services/codes-and-standards/installation-codes/canadian-electrical-code/>

3.2.2. Micro Weld Head Parallel.

3.3. All electrical components of the system must be certified or approved for use in accordance with the Canadian Electrical Code, Part 1, before delivery, by a certification organization accredited by the Standards Council of Canada.

3.4. Linear DC Welding Supply: The Linear DC Welding Supply must meet the following specifications:

	Function	Specification	
3.4.1	Nominal Line Voltage (Single phase)	90-264 V AC	
3.4.2	Duty Cycle	4%	
3.4.3	Current	10A – 2500A with 10 Amp/Step	
3.4.4	Voltage	0.1V – 10V with 10 mV/Step	
3.4.5	Power	0.01kW – 20kW with 10 Watt/Step	
3.4.6	Peak Current	2500 A maximum	
3.4.7	Peak Voltage	10 V maximum	
3.4.8	Peak Power	20 kW maximum	
3.4.9	Weld Period Ranges weld time (each section)	Ranges 0-100 msec	Resolution (steps) 0.1 msec
3.4.10	Squeeze/Hold Periods	Ranges 0-5 msec	Resolution (steps) 1 msec
3.4.11	Current Output Accuracy	+/- 10 A	
3.4.12	Voltage Output Accuracy	+/- 0.005 V	
3.4.13	Front panel display	Must be touch screen interface which offer quick access to the welder controls and the users must be able to customize the interface to display preferred information and/or controls.	

Table 2 Linear DC Welding Supply

3.5. Micro Weld Head: The Micro Weld Head must meet the following specifications:

	Characteristics	
3.5.1	Weld Force	350 – 3000 grams
3.5.2	Max Electrode Stroke	1 inch
3.5.3	Electrode Diameter	¾ inch
3.5.4	Electrode Configuration	Parallel
3.5.5	Adjustable Electrode Gap	Yes
3.5.6	Max Throat Size	12 inches
3.5.7	Foot Pedal Type	Pneumatic or Manual Cable
3.5.8	Microscope	Must be equipped with a stereo and/or digital microscope mounted on an articulating arm, and has magnification options ranging from 5X to 50X zoom available. It must have a LED Light Ring integrated.

Table 3 Micro Weld Head

3.6. The Micro Weld Head Parallel must provide the ability to perform precise, low inertial welds and repeatable welds with no force deflection.

3.7. All accessories must be included for the operation of the equipment.

3.8. Equipment Certifications

3.8.1. Certificate of Conformance – The Contractor must provide a Certificate of Conformance to attest that the delivered equipment has been manufactured according to the Contractor's published specifications and has been verified to function as designed. The Certificate must identify the location and date of completion of manufacturing and must be signed by an authorized representative of the manufacturer.

3.8.2. Statement of Compliance – The Contractor must provide a Statement of Compliance to attest that the delivered equipment meets the requirements of the Contract. The Statement of Compliance may be provided within the Certificate of Conformance or as a separate document.

3.9. Constraints

3.9.1. There are no identified constraints.

3.10. Time Frame and Delivery Dates

3.10.1. Equipment delivery – no later than March 29th 2019.

3.10.2. Operation and maintenance Manuals – at the time of Equipment delivery.

3.11. Contractor Qualifications

3.11.1. The Contractor must be an approved supplier of the Original Equipment Manufacturer (OEM). If the Contractor is not the OEM, then the Contractor must provide a letter from the OEM confirming that the Contractor is an approved supplier.

4. DELIVERABLES

4.1 The Contractor must provide the following deliverables:

No.	Deliverable Item	Qty	Notes
1	Linear DC Welding Supply	1	
2	Micro Weld Head Parallel with Light source	1	
3	Operation and maintenance manuals	1	
4	Certificate of Conformance	1	

Table 4-1 List of Deliverables

4.2 Format for Documentation

4.2.1 Equipment documentation, reports and certificates statements must be provided in English.

4.2.2 Equipment documentation and reports may be provided in Contractor format.

4.2.3 Unless otherwise specified, certificates statements may be provided in Contractor format.

4.2.4 Unless otherwise specified, electronic copies of deliverable documents may be delivered by e-mail to the Technical Authority.

4.2.5 Unless otherwise specified, document files should be provided in PDF format.

ATTACHMENT 1 TO PART 3 OF THE - BID SOLICITATION

PRICING SCHEDULE

Item / Article	Part Number / Numéro de pièces	Description / Description	Unit of Issue / Unité de distribution	Qty / Qté	Destination Address / Adresse de la destination	Invoice Address / Adresse de la destination	Quality Assurance Code (QAC)	Controlled Goods (CTAT or ITAR)	FIRM UNIT PRICE: Applicable taxes extra / PRIX UNITAIRE FERME: Taxes applicable en sus	EXTENDED PRICE: Applicable taxes extra / PRIX PROLONGÉE: Taxes applicable en sus	TOTAL PRICE: Applicable taxes Included / PRIX COMPRIS: Taxes applicables inclus (14.975%)
1		Linear DC Welding Supply	EA	1	Department of National Defence C/O QETE Warehouse Ramp 8, Room C1113 45 Sacre-Coeur Blvd. Gatineau, QC J8X 1C6	National Defence Headquarters Major-General George R. Pearkes Building 101 Colonel By Dr. Ottawa, Ontario K1A 0K2 Attn: Danny Ouellette DLP 7-1-2-1 danny.ouellette@forces.gc.ca	C	n/a			
2		Micro Weld Head	EA	1	Department of National Defence C/O QETE Warehouse Ramp 8, Room C1113 45 Sacre-Coeur Blvd. Gatineau, QC J8X 1C6	National Defence Headquarters Major-General George R. Pearkes Building 101 Colonel By Dr. Ottawa, Ontario K1A 0K2 Attn: Danny Ouellette DLP 7-1-2-1 danny.ouellette@forces.gc.ca	C	n/a			
3		Operation and Maintenance Manuals	EA	1	Department of National Defence C/O QETE Warehouse Ramp 8, Room C1113 45 Sacre-Coeur Blvd. Gatineau, QC J8X 1C6	National Defence Headquarters Major-General George R. Pearkes Building 101 Colonel By Dr. Ottawa, Ontario K1A 0K2 Attn: Danny Ouellette DLP 7-1-2-1 danny.ouellette@forces.gc.ca	C	n/a			
4		Certificate of Conformance	EA	1	Department of National Defence C/O QETE Warehouse Ramp 8, Room C1113 45 Sacre-Coeur Blvd. Gatineau, QC J8X 1C6	National Defence Headquarters Major-General George R. Pearkes Building 101 Colonel By Dr. Ottawa, Ontario K1A 0K2 Attn: Danny Ouellette DLP 7-1-2-1 danny.ouellette@forces.gc.ca	C	n/a			
Total :											

ANNEX "B" 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);