

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

Title - Sujet MILLER DYNASTY 350 INVERTERS/WELD.	
Solicitation No. - N° de l'invitation W8486-140198/A	Date 2013-11-07
Client Reference No. - N° de référence du client W8486-140198	
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-445-63861	
File No. - N° de dossier hn445.W8486-140198	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-12-19	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Ladouceur, Joanne M.	Buyer Id - Id de l'acheteur hn445
Telephone No. - N° de téléphone (819) 956-3587 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: 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
Electrical & Electronics Products Division
11 Laurier St./11, rue Laurier
6B1, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

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

Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	DEPT. OF NATIONAL DEFENCE - QETE C/O QETE WAREHOUSE 819-997-1706 ROOM C-1113, RAMP 8 45 SACRE COEUR BLVD. GATINEAU QC J8X 1C6 CANADA	W8486	DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. ATTN: RICHARD KAKAIRE, NPB, DLP 4-4-1-6 OTTAWA Ontario K1A0K2 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	951-402 MILLER DYNASTY 350 INVERTE RS AS SPECIFIED IN ANNEX A	D - 1	W8486	4	Each	\$	XXXXXXXXXXXX	XXXXXXXXXXXX	See Herein	

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The contractor will be required to provide the goods in accordance with the technical requirements stated herein at Annex A.

2.1 Delivery Requirement

Delivery is requested to be completed by *January 20, 2014*.

2.2 Delivery Offered

While delivery is requested as indicated above, the best delivery that could be offered is _____.

2.3 Contractor Contacts

Name and 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: _____

3. Debriefings

After contract award, 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.

You are reminded that this solicitation requires the compliance and/or completion of requirements attached as an Annex and forming part of this document.

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 standard instructions and conditions 2003 (01/06/2013) are incorporated by reference into and form part of the bid solicitation.

Section 5.4 of 2003, Standard Instructions - Goods or Services, is amended as follows:

Delete: sixty (60) calendar days

Insert: ninety (90) calendar days

1.1 SACC Manual Clauses

SACC Reference	Section	Date
A9033T	Financial Capability	16/07/12
B1000T	Condition of Material	30/11/07

1.2 Equivalent Products

1. Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:

- (a) designates the brand name, model and/or part number of the substitute product;
- (b) states that the substitute product is fully interchangeable with the item specified;
- (c) provides complete specifications and descriptive literature for each substitute product;
- (d) provides compliance statements that include technical specifics showing the substitute product meets all mandatory performance criteria that are specified in the bid solicitation; and
- (e) clearly identifies those areas in the specifications and descriptive literature that support the substitute product's compliance with any mandatory performance criteria.

2. Products offered as equivalent in form, fit, function and quality will not be considered if:

- (a) the bid fails to provide all the information requested to allow the Contracting Authority to fully evaluate the equivalency of each substitute product; or
- (b) the substitute product fails to meet or exceed the mandatory performance criteria specified in the bid solicitation for that item.

-
3. In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders offering a substitute product to demonstrate, at the sole cost of bidders, that the substitute product is equivalent to the item specified in the bid solicitation.

1.2.1 Substitute Products - Samples (DND)

If the Bidder offers a substitute product, Canada reserves the right to request a sample from the Bidder in order to determine its equivalency in form, fit, function, quality and performance to the item specified in the bid solicitation.

The Bidder must, upon request from the Contracting Authority, provide a sample to the Technical Authority, transportation charges prepaid, and without charge to Canada, within ten (10) calendar days from the date of request. The sample submitted by the Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the sample does not meet the requirements of the bid solicitation or the Bidder fails to comply with the request of the Contracting Authority, the bid will be declared non-responsive.

2. Submission of Bids

Bids must be submitted ***ONLY TO PUBLIC WORKS AND GOVERNMENT SERVICES CANADA (PWGSC) BID RECEIVING UNIT*** by the date, time and place indicated on page 1 of the bid solicitation.

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

2.1 Technical Documentation

TECHNICAL/DESCRIPTIVE LITERATURE FOR PRODUCTS PROPOSED MUST BE SUBMITTED AS PART OF THE BID PACKAGE PRIOR TO THE BID CLOSING DATE. FAILURE TO COMPLY WILL RENDER YOUR BID NON RESPONSIVE.

3. Enquiries - Bid Solicitation

All enquiries must be submitted to the Contracting Authority no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the 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 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

1. Bid Preparation Instructions

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

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

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

Canada requests bidders to 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 are encouraged to:

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

SECTION I: TECHNICAL BID (2 COPIES)

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 (1 COPIES)

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Goods and Services Tax (GST) or Harmonized Sales Tax (HST) is to be shown separately, if applicable.

Exchange Rate Fluctuation

The requirement does not provide for exchange rate fluctuation protection. Any request for exchange rate fluctuation protection will not be considered and will render the bid non-responsive.

Pricing Basis

The bidder must quote firm lot prices in Canadian dollars, DDP Delivered Duty Paid (Gatineau, Quebec), the Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable. Freight charges to destination and all applicable Custom duties and Excise taxes must be included.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria specified below.

Evaluation Criteria

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

1.1 Technical Evaluation

1.1.1 Mandatory Technical Evaluation

The following **Mandatory** factors will be taken into consideration in the evaluation of each bid:

Technical compliance (description of items of Annex A herein);
Acceptance of terms and conditions as mentioned in the bid solicitation;
Completion of the proposal .

1.2 Financial Evaluation

The following **Mandatory** factors will be taken into consideration in the evaluation of each bid:

Compliance with Pricing Basis;

The Bid price will be determined by processing items at Annex B as follows:

Sum of all items total price.

1.3 Conditions/Certifications Precedent to Contract

Federal Contractors Program as specified in Part 5;
Mandatory Certifications Required Precedent to Contract Award as specified herein.

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

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications 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 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

By submitting a bid, the Bidder certifies as per section 01 of Standard Instructions 2003, for himself and his affiliates, to be in compliance with the Code of Conduct and Certifications clause of the Standard instructions. The related documentation therein required will help Canada in confirming that the certifications are true.

1.2 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 (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Human Resources and Skills Development Canada (HRSDC) - 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" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The contractor will be required to provide the goods in accordance with the technical requirements stated herein at Annex A.

2.1 SACC Manual Clauses

SACC	Section	Date
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Solicitation No. - N° de l'invitation

W8486-140198/A

Amd. No. - N° de la modif.

File No. - N° du dossier

hn445W8486-140198

Buyer ID - Id de l'acheteur

hn445

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

W8486-140198

CCC No./N° CCC - FMS No/ N° VME

Reference

B1501C Electrical Equipment

16/06/06

B7500C Excess Goods

16/06/06

3. Standard Conditions and Clauses

All clauses and conditions identified in the Contract by number, date and title are set out in the *Standard Acquisition Clauses and Conditions* (<http://ccua-sacc.tpsgc-pwgsc.gc.ca/pub/acho-eng.jsp>) Manual issued by Public Works and Government Services Canada.

3.1 General Conditions

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

4. Term of Contract

4.1 Delivery Date

All the deliverables must be received on or before _____ (Delivery as offered and as accepted will be inserted at contract award).

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the contract is:

Joanne Ladouceur (M)
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Logistics, Electrical, Fuel and Transportation Directorate
"HN" Division
7B3, Place du Portage, Phase III
11 Laurier Street
Gatineau, QC, K1A 0S5

Telephone : (819) 956-3587 Facsimile: (819) 953-4944
E-mail address: joanne.m.ladouceur@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.

5.2 Project Authority

The project Authority for the Contract is:

Name: _____ *will be inserted at contract*
Telephone No. _____ *will be inserted at contract*
Facsimile No. _____ *will be inserted at contract*

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E-mail address: _____ *will be inserted at contract*

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 matter 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.

5.3 Contractor Contacts

Name and telephone number of the person responsible for:

General Enquiries

Name: _____ *will be inserted at contract*

Telephone No. _____ *will be inserted at contract*

Facsimile No. _____ *will be inserted at contract*

E-mail address: _____ *will be inserted at contract*

Delivery Follow-up

Name: _____ *will be inserted at contract*

Telephone No. _____ *will be inserted at contract*

Facsimile No. _____ *will be inserted at contract*

E-mail address: _____ *will be inserted at contract*

6. Payment

6.1 Basis of Payment - Firm Lot Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the *firm lot prices* specified in the Contract (*Annex 'B'*). Customs duties are *included* and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

6.2 Limitation of Price

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.

6.3 SACC Manual Clauses

SACC Reference	Section	Date
G1005C	Insurance	12/05/08
H1000C	Single Payment	12/05/08

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.

National Defence Headquarters
MGen George R. Pearkes Building
101 Colonel By Drive
Ottawa, ON, K1A 0K2
Attention: Richard Kakaire, NPB, DLP 4-4-1-6.

- (b) One (1) copy must be forwarded to the following address.

Department of Public Works and Government Services
"HN" Division
7B3 Place du Portage, Phase III
11 Laurier Street
Gatineau, QC
K1A 0S5
Attention: *Joanne Ladouceur (M)*

- (c) one (1) copy must be forwarded to the consignee.

8. Certifications

- 8.1** Compliance with the certifications 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 or 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 Ontario.

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) 2010A (25/04/2013) General Conditions - Goods (Medium Complexity);
- (c) Annex "A", Statement of Work;
- (d) Annex "B", Pricing Schedule;
- (e) the Contractor's bid dated _____ (*insert date of bid*), as amended _____ (*insert date(s) of amendment(s), if applicable*).

11. Defence Contract

SACC Manual clause A9006C (16/07/2012) Defence Contract.

12. SACC Manual Clauses

SACC Reference	Section	Date
D5545C	ISO 9001:2008 - Quality Management Systems - Requirements (QAC C)	16/08/10

12.1 NSCM Traceability

Material supplied for the items specified in this contract is subject to investigation by the Crown. Material which can neither be demonstrated by the contractor as having originated directly from the NSCM specified for the item in this contract, nor as supplied with the specific written permission of this specified NSCM, are subject to the following action by the Crown.

The Crown may either:

- a) terminate the contract for default with respect to that item, return the item to the Contractor at the Contractor's risk and expense, and demand and receive from the Contractor (who shall forthwith so pay) all procurement and other costs incurred by the Crown, including any increased costs required for the purpose of expediting production; or
- b) retain the item, and demand and receive from the Contractor (who shall forthwith so pay) the difference between the Contractor's costs relating to the item, as determined by the Crown, and the costs which, in the Crown's opinion, the Contractor would have incurred had it obtained and supplied an item which did not differ in any way from that specifically required under the contract.

13. SACC Manual Clauses (Delivery)

SACC Reference	Section	Date
D2000C	Marking	30/11/07
D2001C	Labelling	30/11/07

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D6010C	Palletization	30/11/07
D2025C	Wood Packaging Materials	12/12/08
D9002C	Incomplete Assemblies	30/11/07

13.1 Shipping Instructions - Delivery at Destination

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

Delivered Duty Paid (DDP) (Gatineau, Quebec) Incoterms 2000 for shipments from a commercial contractor.

13.2 Preparation for Delivery

The Contractor must prepare all 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.

The Contractor must package all items in quantities of one (1) by package.

ANNEX "A"**STATEMENT OF WORK****1.0 SCOPE****1.1 Purpose**

The purpose of the Statement of Work (SOW) is to define the mandatory specifications that are required for the GTAW (GasTungsten Arc Welding) and SMAW (Shielded Metal Arc Welding) welding system which is to be procured for QETE 2-5 Welding School Facilities in the Materials Group.

1.2 Background

QETE is home to the Royal Canadian Air Force's Special Metal Welding School. As such, it needs to have advanced welding units in order to facilitate the advanced and special purpose weldments required by the program. Our Welding Equipment are out of date and can not meet the up-coming requirements of the revised course content. The Welding Systems are required for welding or joining different materials in different processes (TIG, A/C, D/C). It is crucial to have welding stations that are very stable at low or high output in the two welding modes. This will give us the abilities to reproduce quality welds in exotic alloys and thin ferrous and non ferrous materials. It will also ensure a good level of confidence when reproducing weld parameters employed in the field.

1.3 Abbreviations and Acronyms

The following abbreviations and acronyms are used in this SOW:

- QETE (Quality Engineering Test Establishment)
- SOW (Statement of Work)
- GTAW (GasTungsten Arc Welding)
- SMAW (Shielded Metal Arc Welding)
- DC (Direct Current)
- AC (Alternating Current)
- A (Amperage)
- EN (Electrode Negative)
- EP (Electrode Positive)
- Hz (Hertz)
- NPB (National Printing Building)
- OPI (Office of Primary Interest)

2.0 APPLICABLE DOCUMENTS**2.1 Publications Required**

Instrumentation manual(s) must be provided in English that cover operation and maintenance of hardware and software of all components that are part of the complete welding system.

3.0 REQUIREMENTS

3.1 General

The Contractor must provide a completely operational Stand-Alone welding system that meets all mandatory requirements of the SOW.

3.2 Mandatory features of the system must include the following:

- Be an Inverter Type Power Source with "Auto-Line" power hookup that allows to connect to any input from 208 to 575 Volts, three or single phase;
- The duty cycle capacity required in 3 phase input will have to be capable of performing 300 A at 32 V, 60% Duty Cycle; in single phase input, 180A at 27 V 100% Duty Cycle;
- An overall welding amperage range capability of 3 to 350 amps;
- An A/C TIG capability with Independent Amplitude/Amperage Control to allow the EP and EN amperage to be set independently to precisely control heat input to the work and electrode;
- Extended A/C balance (30 to 99%) to control the amount of oxide cleaning which is essential for high quality welds on aluminium;
- A/C Frequency control from (20 to 400 Hz) to control arc force and width;
- The system will also have to have the capabilities of D/C with low and high speed pulse control capable of 0.1 to 5000 pulses per second (PPS) and A/C 0.1 to 500 PPS;
- AC/DC stick capable to control arc shape characteristics for specific applications with different electrode types; and
- Have a wireless electronic foot control.

3.3 Technical requirements

- Calibration Certification. In the case that the machines have to be calibrated, the Contractor must provide a certificate of calibration;
- CSA Approval. The entire welding system must be CSA approved.

3.4 Constraints

The Work must be performed during regular work hours (0800 to 1600 hours, Monday to Friday) due to required access to DND personnel and resources;

3.5 Buy-Back and removal of existing equipment

The Contractor must include in their bid solicitation to buy back and remove all four existing welding stations from C-2118-F, National Printing Bureau, 45 Sacre-Coeur Blvd. Gatineau, QC. J8X 1C6. The existing welding machines are Miller Dynasty 300.

4.0 DELIVERABLES

- 4.1 The Contractor must deliver and install the welding systems on-site in Room C-2118-F, NPB, 45 Sacré Coeur Boulevard, Québec, J8X 1C6.
- 4.2 The system must be operational and ready to be used to its full capacities as a package, ex: Water cooler, Water cooled TIG welding system and Torch, Cart, 8 feet Electrical cord minimum and all necessary accessories for operation.
- 4.3 Connection plug will be supplied by client to match QETE's 550V outlets.
- 4.4 The contractor will be required to remove Appleton's ACP 6033BC connectors from our existing welding stations and install those connectors to the new inverter type welding station's power cables.

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- 4.5 The systems must be demonstrated to be fully functional before mandatory acceptance is granted by the OPI
- 4.6 The Contractor must provide a full warranty period of 3 years on parts and labour.

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ANNEX "B"

PRICING SCHEDULE

All prices must be firm in Canadian dollars, Delivered Duty Paid (Gatineau, Quebec), Goods and Services Tax or the Harmonized Sales Tax extra, transportation costs to destination and all applicable Custom Duties and Excise Taxes included.

1. CREDIT AND EQUIPMENT

1.1 Firm Lot Price for the credit of the four existing systems as per SOW, paragraph 3.5.

FIRM LOT PRICE(\$_____)

1.2 The bidder must provide a Firm Lot Price for four equipment systems identified as per the SOW, para. 3.

FIRM LOT PRICE \$_____

2. INSTALLATION AND TESTING COSTS

The price must include all costs including travel and living expenses, related to the installation and testing of the equipment.

FIRM LOT PRICE \$_____

TOTAL FIRM LOT PRICE \$_____