



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada

1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3
Bid Fax: (902) 496-5016

**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 150kW DC Power Supply	
Solicitation No. - N° de l'invitation W355B-227948/A	Date 2021-07-20
Client Reference No. - N° de référence du client W355B-22-7948	
GETS Reference No. - N° de référence de SEAG PW-\$HAL-220-11329	
File No. - N° de dossier HAL-1-87048 (220)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Daylight Saving Time ADT on - le 2021-08-19 Heure Avancée de l'Atlantique HAA	
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: Dunphy, Nancy	Buyer Id - Id de l'acheteur hal220
Telephone No. - N° de téléphone (902) 456-4287 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: MARITIME FORCES ATLANTIC DOOR 13 BLDG D-200 HALIFAX NOVA SCOTIA B3K 5X5 CANADA	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

**Raison sociale et adresse du
fournisseur/de l'entrepreneur**

Issuing Office - Bureau de distribution

Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scot
B3J 1T3

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	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

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ha1220
CCC No./N° CCC - FMS No./N° VME

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement applicable to the Contract.

1.2 Statement of Requirement

Public Services and Procurement Canada on behalf of the Department of Defence (DND), Fleet Maintenance Facility Cape Scott (FMF CS) has a requirement for the Supply, and delivery 150kW DC Power Supplies and Accessories. Note: FMF Cape Scott currently has one (1) HN300 Harmonic Neutralizer, one (1) 450HN Harmonic Neutralizer and eight (8) MTD750-200/480 Power Supplies on site. All equipment supplied through this tender must be 100% compatible with these existing units. Destination Halifax, Nova Scotia, B3K 5X5.

Option to Purchase Additional DC Power Supplies and Accessories:

The Government of Canada must be able to exercise an option to purchase up to 3 additional 150kW DC Power Supplies and accessories described herein for a duration of up to 12 months from the date of receiving the equipment and accessories of this contract. Destination Halifax, Nova Scotia, B3K 5X5.

The requirement is detailed under Annex A of the resulting contract clauses.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the following trade agreements:

Canadian Free Trade Agreement (CFTA), Canada-Korea Free Trade Agreement, (CKFTA), World Trade Organization Agreement on Government Procurement (WTO-AGP), Canada-European Union Comprehensive Economic and Trade Agreement (CETA), Comprehensive and Progressive Agreement for Trans-Pacific Partnership (CPTPP), Canada-Chile Free Trade Agreement, Canada-Colombia Free Trade Agreement, Canada-Honduras Free Trade Agreement, Canada-Panama Free Trade Agreement, Canada-Peru Free Trade Agreement, Canada-Ukraine Free Trade Agreement, Agreement on Trade Continuity between Canada and the United Kingdom of Great Britain and Northern Ireland.

1.5 epost Connect service

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

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

The [2003](#) (2020-05-28) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

[A7035T](#) (2007-05-25), List of Proposed Subcontractors

[B1000T](#) (2014-06-26), Condition of Material – Bid

[B3000T](#) (2006-06-16), Equivalent Products

2.2 Submission of Bids

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

Bid Receiving Public Works and Government Services Canada / Réception des soumissions
Travaux publics et services gouvernementaux
1713 Bedford Row
Halifax, NS B3J 1T3

Email for epost Connect:

TPSGC.RAReceptionSoumissionsNE-ARBidReceivingNS.PWGSC@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#).

Facsimile number: (902) 496-5016

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as 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 Nova Scotia.

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

2.5 Bid Challenge and Recourse Mechanisms

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

- If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

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

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

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (1 hard copy)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided

through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

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

Canada requests that bidders follow the format instructions described below in the preparation of hard copy of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the mandatory technical requirements in Annex A.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment in Annex B.

3.1.1 Electronic Payment of Invoices – Bid

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

If Annex “C” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

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

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

Mandatory Technical Requirements are included in Annex "A".

4.1.1.1 Equivalent Products – Bid

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.

4.1.2 Financial Evaluation

4.1.2.1 Mandatory Financial Criteria

SACC Manual Clause [A0220T](#) (2014-06-26), Evaluation of Price-Bid

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Statement of Requirement

The requirement is detailed under Annex A – Statement of Requirement and Mandatory Criteria.

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](#) (2020-05-28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to _____TBD_____ inclusive.

6.4.2 Optional Goods and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods described in Annex "A", Article 7 of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within twelve (12) months after contract award by sending a written notice to the Contractor

6.4.3 Delivery Date

All the deliverables must be received on or before _____. **To Be Determined.**

6.4.4 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

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6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Nancy Dunphy
Title: Supply Officer
Public Works and Government Services Canada
Acquisitions Branch
Address: 1713 Bedford Row, Halifax, NS B3J 3C9

Telephone: 902-456-4287
Facsimile: 902-496-5016
Email: nancy.dunphy@pwgsc-tpsgc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority

The Project Authority for the Contract is: **(will be inserted at contract award)**

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative **(BIDDER TO FILL IN)**

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price(s), as specified in Annex "B" 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 Method of Payment

SACC Manual clause [H1001C](#) (2008-05-12) Multiple Payments

6.6.4 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);

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:

DEPT OF NATIONAL DEFENCE
MARITIME FORCES ATLANTIC
Bldg. D200 Rm 2354
P.O. Box 99000, Stn Forces
Halifax NS B3K 5X5
Phone # 902-427-0382
E-Mail : will be provided at award.

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information

are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Nova Scotia.

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](#) (2020-05-28), Goods (Medium Complexity
- (c) Annex A, Statement of Requirement and Mandatory Criteria;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____

6.11 Condition of Material – Contract

The Contractor must provide material that is new production of current manufacture supplied by the principal manufacturer or its accredited agent. The material must conform to the latest issue of the applicable drawing, specification and part number, as applicable, that was in effect on the bid closing date.

6.12 SACC Manual Clauses

SACC Manual clause [B1501C](#) (2018-06-21) Electrical equipment
SACC Manual clause [G1005C](#) (2016-01-28) Insurance - No Specific Requirement
SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract
SACC Manual clause [D2000C](#) (2007-11-30) Markings
SACC Manual clause [D2001C](#) (2007-11-30) Labelling
SACC Manual clause [D2025C](#) (2017-08-17) Wood Packing Materials

6.13 Inspection and Acceptance

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

6.14 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.

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

ANNEX "A"

STATEMENT OF REQUIREMENT and Mandatory Specifications.

TITLE: 150KW DC Power Supply

1. GENERAL DESCRIPTION

The Department of Defence (DND), Fleet Maintenance Facility Cape Scott (FMF CS), Halifax NS B3K 5X5 has a requirement for the Supply, delivery, and warranty 150kW DC Power Supplies and Accessories.

Note: FMF Cape Scott currently has one (1) HN300 Harmonic Neutralizer, one (1) 450HN Harmonic Neutralizer and eight (8) MTD750-200/480 Power Supplies on site. All equipment supplied through this tender must be 100% compatible with these existing units without any modifications required to the new or existing equipment. Substitutions are acceptable only if the manufacturer provides documentation stating equipment is 100% compatible with existing equipment.

2. DC Power Supply & Accessories Specifications:

2.1. Suggested manufacturer, model, and quantity: (or equivalent)

2.1.1.Magna

2.1.2.MTD 750-200/480+BD+LXI

2.1.3.3 each

2.1.4.If quoting an equivalent documentation stating 100% compatibility.

2.2. The following 150kW DC Power Supply specifications are mandatory and must be met:

2.2.1.Output Voltage 750VDC

2.2.2.Output Current 200A

2.2.3.Input Voltage 480VAC, 3 Ø

2.2.4.Parallel / series operation

2.2.5.Fully controlled over TCP/IP Ethernet interface

2.2.6.Blocking diodes included

2.2.7.Main power disconnect during fault

2.2.8.Over voltage / current protection shutdown IGBTs and main power

2.2.9.Variable speed load dependant cooling

2.2.10. Ripple 125mVrms max

2.2.11. Line regulation: voltage ± 0.004 % of full scale, current ± 0.02 % of full scale

2.2.12. Load regulation: current ± 0.01 % of full scale, current ± 0.05 of full scale

2.2.13. Efficiency min 90%

2.2.14. Power factor >0.90

2.2.15. Stability ± 0.10 % for 8 hours after 30 minute warm up

2.2.16. Max dimensions: 68" x 48" x 32"

2.2.17. Max weight 1000kgs

2.2.18. Diagnostic functions: phase loss, excessive thermal conditions, over voltage trip, over current trip, fuse clearing

2.2.19. Front panel controls: power on / off, start / stop, rotary voltage / current input, rotary over voltage / over current input, keypad voltage / current input, keypad over voltage / over current input, display settings, and enter / clear function

2.2.20. Indicators: voltage / current set point, OVT/OCT set point, internal / external control, alarms, external remote programming, remote sense enabled, keypad programming, memory setting

- 2.2.21. Rear panel controls: Voltage / current set point, OVT / OCT set point, modulation set point, voltage / current output, alarm output, internal / external control, status output, master / slave connections, remote sense inputs, RS232 inputs, interlock enable, arm enable
- 2.2.22. All cabling and connectors must be provided to connect power supplies to blocking diodes and user interfaces

2.3. Blocking Diode Specifications:

2.3.1.Suggested manufacturer, model, and quantity: (or equivalent)

- 2.3.1.1. Magna**
- 2.3.1.2. BDx-A1-1000-300/UI**
- 2.3.1.3. 11 each**
- 2.3.1.4. If quoting an equivalent documentation stating 100% compatibility.**

2.3.2.The following Blocking Diode specifications are mandatory and must be met:

- 2.3.2.1. Rack Mount Blocking Diode: QTY (11ea)
- 2.3.2.2. Input voltage: 1000VDC
- 2.3.2.3. Current: 300ADC
- 2.3.2.4. Fully enclosed heat sink and fan cooling
- 2.3.2.5. Active – PFC, AC Input Voltage: 1Ø, 85-265 VAC
- 2.3.2.6. User I/O status feedback
- 2.3.2.7. Temperature alarm
- 2.3.2.8. Front panel status indicator
- 2.3.2.9. Remote sensing terminal for voltage feedback
- 2.3.2.10. Back EMF protection
- 2.3.2.11. Mixed voltage paralleling
- 2.3.2.12. Load discharge prevention
- 2.3.2.13. Max dimensions: 2" x 19" x 24"
- 2.3.2.14. Max weight: 10kgs
- 2.3.2.15. All cabling and connectors must be provided to connect blocking diodes to power supplies and user interfaces.

2.3.3.Blocking Diode Mounting Bracket QTY (11ea)

- 2.3.3.1. Side mount
- 2.3.3.2. Holds blocking diode
- 2.3.3.3. Steel or aluminum construction

2.4. User Interface specifications:

2.4.1.Suggested manufacturer, model, and quantity: (or equivalent)

- 2.4.1.1. Magna**
- 2.4.1.2. UID53**
- 2.4.1.3. 11 each**
- 2.4.1.4. If quoting an equivalent documentation stating 100% compatibility.**

2.4.2.The following User Interface specifications are mandatory and must be met:

- 2.4.2.1. Allows connection of power supplies in master / slave parallel or series operation
- 2.4.2.2. Monitors alarms from blocking diodes
- 2.4.2.3. Allows connections of power supplies in parallel or series operation
- 2.4.2.4. Enables connection of additional power supplies

- 2.4.2.5. All cabling and connectors must be provided to connect user interfaces to each other and blocking diodes and power supplies.

3. Equivalency of Equipment

3.1. Note to Bidders: This article will only be included in a resulting contract if equivalent products have been proposed.

- 3.2. The Contractor guarantees that the equipment to be delivered under the Contract is:
- 3.2.1. Equivalent in form, fit, function and quality to the equipment requested by Canada that was described in the bid solicitation that resulted in the Contract, and
 - 3.2.2. Fully compatible, interchangeable and interoperable with the existing equipment owned by Canada.
- 3.3. The Contractor also guarantees that any warranties with third parties concerning the existing equipment owned by Canada will not be adversely affected by Canada's use of the equipment delivered under the Contract (for example, by interconnecting the equipment) or by any other services provided by the Contractor under the Contract. If Canada determines in its sole discretion that any such warranty has been adversely affected, at Canada's sole option, the Contractor must:
- 3.3.1. Pay to Canada the amount that Canada must pay to the original supplier (or an authorized reseller of that supplier) to re-certify Canada's existing equipment for warranty purposes and any other amounts paid by Canada to a third party in order to restore the equipment to full warranty status;
 - 3.3.2. Perform all warranty work on Canada's existing equipment in place of the original supplier; or
 - 3.3.3. Pay to Canada the amount that Canada must pay to the original supplier (or an authorized reseller of that supplier) to perform maintenance work on the equipment that otherwise would have been covered by the warranty.
- 3.4. The Contractor agrees that, during the Contract Period, if Canada determines that any of the equipment is not equivalent in form, fit, function and quality to the existing equipment owned by Canada or is not fully compatible, interchangeable and interoperable with the existing equipment owned by Canada, the Contractor must immediately and entirely at its own expense take all steps necessary to ensure that the equipment satisfies these requirements (for example, by implementing any additional software or firmware), failing which Canada will have the immediate right to terminate the Contract for default. The Contractor agrees that, if Canada terminates the Contract for this reason, the Contractor must pay to Canada the costs of re-procuring the equipment from a third party and the difference, if any, in price paid by Canada to the third party. The Contractor acknowledges that its failure to deliver equivalent equipment that satisfies the above requirements may result in the Contractor (as well as its affiliates and any other entities with whom the Contractor or its principals do not deal at arm's length) being unable to propose equivalent substitutes in response to future DND bid solicitations.

4. Electrical Requirement:

- 4.1. Two (2) existing harmonic neutralizers require connection to five (5) existing 150kw power supplies. Cabling and connectors must be provided as stated above and herein.
- 4.2. Standard Equipment and Accessories:
 - 4.2.1. All standard equipment and accessories required must be completely (100%) compatible with each other, the DC Power Supplies, the Blocking Diodes and the User Interfaces that are specified herein.

5. Electrical Certification:

- 5.1. The equipment being supplied must be certified by an acceptable Electrical Certification Organization. The following Certification Organizations are acceptable. The electrical control

must bear a label from one of these organizations in order to be recognized as approved.

Identify which Organization shall be used:

- 5.1.1. Canadian Standards Association (CSA),
- 5.1.2. QPS/Entela,
- 5.1.3. Intertek Testing Services,
- 5.1.4. Underwriters Laboratories of Canada (ULC),
- 5.1.5. Underwriters Laboratories Inc. (UL),
- 5.1.6. Met Laboratories Inc. (MET),
- 5.1.7. TUV Rheinland of North America,
- 5.1.8. Quality Auditing Institute (QAI),
- 5.1.9. TUV America Inc.

5.2. NOTE: Labels from all Organizations above (with the exception of CSA and ULC), must be accompanied by a small "c" at the eight o'clock position or Canadian Standard number to indicate the product has been certified to the Canadian Standard.,

5.3. Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labelled by the Canadian Standards Association (CSA), QPS/Entela, Intertek Testing Services, MET Laboratories, TUV America Inc., Underwriters Laboratories of Canada under the Special Inspection Program. This inspection must take place before equipment delivery to FMF Cape Scott and a copy of verification documentation report must accompany the machine with delivery. Identify which Organization shall be used:

- 5.3.1. Canadian Standards Association (CSA),
- 5.3.2. QPS/Entela,
- 5.3.3. Intertek Testing Services,
- 5.3.4. Met Laboratories Inc. (MET),
- 5.3.5. TUV America Inc.,
- 5.3.6. Underwriters Laboratories of Canada (ULC).

6. Documentation Required:

6.1. Manufacturers original hard copy equipment manuals, quantity: two (2), containing:

- 6.1.1. Installation manual
- 6.1.2. Maintenance manual
- 6.1.3. Operating manual
- 6.1.4. Parts list
- 6.1.5. Electrical circuit diagrams

7. Option to Purchase Additional DC Power Supplies and Accessories

7.1.1. The Government of Canada must be able to exercise an option to purchase up to 3 additional 150kW DC Power Supplies and accessories described herein for a duration of up to 12 months from the date of receiving the equipment and accessories of this contract. Destination - Halifax NS B3K 5X5.

8. Delivery

8.1. Delivery is MANDATORY 16 weeks after contract is awarded.

MANDATORY EVALUATION CRITERIA

TITLE: 150KW DC Power Supply

Instructions: Bidders should include one (1) copy or ecopy of descriptive literature; if available, for the item(s) offered in sufficient detail to clearly indicate compliance with each of the individual requirements from the Statement of Requirement (SOR) detailed herein.

Bidders should cross reference the page number and highlight the specification in your technical data sheets or brochure to demonstrate and support your compliance for each of the Mandatory Technical Criteria within the SOR. You may add any comments to support your bid.

It will be to your advantage to furnish as much detail as possible to support your comments and your claims of compliance for each specification.

NOTE: The Crown is under NO obligation to seek clarification of the bid(s) or the supporting technical documentation provided. Failure to meet any of the following will render your proposal non-compliant and will be given no further consideration.

Bidders **must** comment or provide page number for each and every line item of the following table, or their bid will be deemed non-compliant.

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
2.2	The following 150kW DC Power Supply specifications are mandatory and must be met:		
2.2.1	Output Voltage 750VDC		
2.2.2	Output Current 200A		
2.2.3	Input Voltage 480VAC, 3 Ø		
2.2.4	Parallel / series operation		
2.2.5	Fully controlled over TCP/IP Ethernet interface		
2.2.6	Blocking diodes included		
2.2.7	Main power disconnect during fault		
2.2.8	Over voltage / current protection shutdown IGBTs and main power		
2.2.9	Variable speed load dependant cooling		
2.2.10.	Ripple 125mVrms max		
2.2.11	Line regulation: voltage ± 0.004 % of full scale, current ± 0.02% of full scale		
2.2.12	Load regulation: current ± 0.01 % of full scale, current ± 0.05 of full scale		
2.2.13	Efficiency min 90%		
2.2.14	Power factor >0.90		
2.2.15	Stability ± 0.10% for 8 hours after 30 minute warm up		
2.2.16	Max dimensions: 68" x 48" x 32"		
2.2.17	Max weight 1000kgs		

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
2.2.18	Diagnostic functions: phase loss, excessive thermal conditions, over voltage trip, over current trip, fuse clearing		
2.2.19	Front panel controls: power on / off, start / stop, rotary voltage / current input, rotary over voltage / over current input, keypad voltage / current input, keypad over voltage / over current input, display settings, and enter / clear function		
2.2.20.	Indicators: voltage / current set point, OVT/OCT set point, internal / external control, alarms, external remote programming, remote sense enabled, keypad programming, memory setting		
2.2.21	Rear panel controls: Voltage / current set point, OVT / OCT set point, modulation set point, voltage / current output, alarm output, internal / external control, status output, master / slave connections, remote sense inputs, RS232 inputs, interlock enable, arm enable		
2.2.22	All cabling and connectors must be provided to connect power supplies to blocking diodes and user interfaces		
2.3.2	The following Blocking Diode specifications are mandatory and must be met:		
2.3.2.1	Rack Mount Blocking Diode: QTY (11ea)		
2.3.2.2	Input voltage: 1000VDC		
2.3.2.3	Current: 300ADC		
2.3.2.4	Fully enclosed heat sink and fan cooling		
2.3.2.5	Active – PFC, AC Input Voltage: 1Ø, 85-265 VAC		
2.3.2.6	User I/O status feedback		
2.3.2.7	Temperature alarm		
2.3.2.8	Front panel status indicator		
2.3.2.9	Remote sensing terminal for voltage feedback		
2.3.2.10.	Back EMF protection		
2.3.2.11	Mixed voltage paralleling		
2.3.2.12	Load discharge prevention		
2.3.2.13	Max dimensions: 2" x 19" x 24"		
2.3.2.14	Max weight: 10kgs		
2.3.2.15	All cabling and connectors must be provided to connect blocking diodes to power supplies and user interfaces.		
2.3.3	Blocking Diode Mounting Bracket QTY (11ea)		

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ha1220
CCC No./N° CCC - FMS No./N° VME

NO.	SPECIFICATIONS	PAGE NUMBER OR CROSS REFERENCE	COMMENT(S)
2.3.3.1	Side mount		
2.3.3.2	Holds blocking diode		
2.3.3.3	Steel or aluminum construction		
2.4.2	The following User Interface specifications are mandatory and must be met:		
2.4.2.1	Allows connection of power supplies in master / slave parallel or series operation		
2.2.2.2	Monitors alarms from blocking diodes		
2.2.2.3	Allows connections of power supplies in parallel or series operation		
2.2.2.4	Enables connection of additional power supplies		
2.2.2.5	All cabling and connectors must be provided to connect user interfaces to each other and blocking diodes and power supplies.		
4	Electrical Requirement		
5	Electrical Certification		

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

ANNEX "B"

Basis of Payment

Pricing offered must be in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

A bid must comply with the requirements of the bid solicitation outlined in Annex A and meet all mandatory criteria as outlined to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of contract. No further charges will be allowed.

Table #1 Firm Requirement:

ITEM	U of I	QTY	UNIT PRICE	EXTENDED
150kW DC Power Supply as fully detailed in Annex A Make - Model: Magna - MTD 750-200/480+BD+LXI Or equivalent Make - Model:	EA	3	\$	\$
Rack Mount Blocking Diode as fully detailed in Annex A Make - Model: Magna - BDx-A1-1000-300/UI Or equivalent Make - Model:	EA	11	\$	\$
Blocking Diode Mounting Bracket as fully detailed in Annex A Make and Model:	EA	11	\$	\$
User Interface as fully detailed in Annex A Make - Model: Magna - UID53 Or equivalent Make and Model:	EA	11	\$	\$
Shipping/Handling Included, HST extra			TOTAL	\$

BEST DELIVERY DATE OFFERED BY BIDDER: _____.

Delivery date requested: 16 weeks ARO

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Table #2 Optional Requirement:

ITEM	U of I	QTY	UNIT PRICE	EXTENDED
150kW DC Power Supply as fully detailed in Annex A Make - Model: Magna - MTD 750-200/480+BD+LXI Or equivalent Make - Model:	EA	3	\$	\$
Rack Mount Blocking Diode as fully detailed in Annex A Make - Model: Magna - BDx-A1-1000-300/UI Or equivalent Make - Model:	EA	11	\$	\$
Blocking Diode Mounting Bracket as fully detailed in Annex A Make and Model:	EA	11	\$	\$
User Interface as fully detailed in Annex A Make - Model: Magna - UID53 Or equivalent Make and Model:	EA	11	\$	\$
Shipping/Handling Included, HST extra			TOTAL	\$

The Government of Canada must be able to exercise an option to purchase up to 3 additional 150kW DC Power Supplies and accessories described herein for a duration of up to 12 months from the date of receiving the equipment and accessories of this contract. Destination - Halifax NS B3K 5X5

Table #1 \$ _____ + Table #2 \$ _____ = \$ _____
Evaluated Price

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ANNEX “C” to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

As indicated in Part 3, clause 3.1.2, the Bidder must identify which electronic payment instruments they are willing to accept for payment of invoices.

The Bidder accepts any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);

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ANNEX "D"

Integrity Requirements

Bidder must submit with their bid, by the bid solicitation closing date:

(a) A complete list of names of all individuals who are currently directors of the Bidder;

Complete Legal Name of Supplier:

Supplier Address: _____

Supplier PBN: _____

List of Directors: Please provide a list of names of all individuals currently on the Board of Directors of the above company.

Board of Directors (Full Name and Position)
