

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.)
B3J 1T3
Bid Fax: (902) 496-5016

SOLICITATION AMENDMENT MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

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.)
B3J 3C9
Nova Scot

Title - Sujet DC Power Sply	
Solicitation No. - N° de l'invitation W355B-151485/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W355B-15-1485	Date 2015-01-14
GETS Reference No. - N° de référence de SEAG PW-\$HAL-309-9433	
File No. - N° de dossier HAL-4-73144 (309)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-02-23	Time Zone Fuseau horaire Atlantic Standard Time AST
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: MacNeil, Blaine A.	Buyer Id - Id de l'acheteur hal309
Telephone No. - N° de téléphone (902) 496-5180 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

Solicitation No. - N° de l'invitation

W355B-151485/A

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

W355B-15-1485

Amd. No. - N° de la modif.

001

File No. - N° du dossier

HAL-4-73144

Buyer ID - Id de l'acheteur

hal309

CCC No./N° CCC - FMS No/ N° VME

Amendment #1

The RFP document is attached.

All other terms and conditions remain unchanged.

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There are no security provisions associated with the requirement. Escorts will be provided for the equipment to be delivered and for installation and training as required.

2. Requirement

The Department of National Defence at FMCS Cape Scott have a requirement for the supply, installation, on-site installation assistance, on-site operator training for one (1) 450 KW Variable DC Power Supply.

The full technical requirement is detailed in Annex A, Statement of Requirement.

3. Debriefings

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

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions

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

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

The 2003 (2014-09-25) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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.

3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing 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 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.

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 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement [process Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

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

Section I: Technical Bid

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.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment (line item detail p. 2). The total amount of Applicable Taxes must be shown separately.

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures

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

1.1 Technical Evaluation

The technical evaluation will assess whether all mandatory requirements are met using the information provided with a bid. Canada reserves the right, but is under no obligation to clarify any information or compliance with a mandatory requirement with a bidder.

1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

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

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

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

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](http://www.labour.gc.ca/eng/standards_equality/eq/emp/fcp/list/inelig.shtml)" list (http://www.labour.gc.ca/eng/standards_equality/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 are no security provisions associated with the requirement. Escorts will be provided for the equipment to be delivered and for installation and training as required.

2. Requirement

The Contractor agrees to deliver the items and perform the work detailed in Annex A, Statement of Requirement.

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.

3.1 General Conditions

2010A (2014-09-25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Delivery

4.1 Delivery Date

Delivery is mandatory by 31 March 2015. If the goods are not received by this date the contract will be terminated.

4.2 Delivery Terms

Goods must be delivered DDP Incoterms 2000 FMF Cape Scott HMC Dockyard Halifax, NS.

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Blaine MacNeil
Title: Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Address: 1713 Bedford Row, Halifax, Nova Scotia, B3J 3C9

Telephone: 902-496-5180
Facsimile: 902-496-5016

E-mail address: blaine.macneil@pwgsc.gc.ca

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

5.2 Project Authority (named upon award of contract)

The Project Authority for the Contract is:

Name:

Title:

Organization:

Address:

Telephone

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.

5.3 Contractor's Representative

Name:

Organization:

Telephone:

Facsimile:

E-mail Address:

6. Payment

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 lot price at a cost of \$_____. Customs duties are included and Applicable Taxes are extra.

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

6.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

7. Invoicing Instructions

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.

8. Certifications

8.1 Compliance

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

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

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

9. Applicable Laws

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

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 (2014-09-25);
- (c) Annex A, Statement of Requirement;
- (d) Annex B, Requirement Check List;
- (e) the line item detail;
- (f) the Contractor's bid dated _____ and any applicable amendments

Annex A

Statement of Requirement

750 Volt, 600A, 450KW Variable DC Power Supply c/w Harmonic Neutralizer

Quantity: 1

Minimum Specifications:

1) DC Power Supply - 450 kW System

1. Output Voltage 0 to 750 Volts DC

2. Output Current 0 to 600 Amps DC

3. AC Input 480 V AC, 3F

4. Parts Compatibility: System to be compatible and parts interchangeable with existing 150 KW / 300 kW Magna MT Series power supplies.

5. Parallel/Series Operation Can be expanded in the future through parallel or series units.

6. Remote Control via virtual front panel (approx. 30m away from main unit) Provide PC or HMI control.

7. Diagnostic functions phase loss, excessive thermal conditions, over voltage trip, over current trip, fuse clearing, and program line (externally applied analog set point signals)

8. Fault action Main power disconnected; diagnostic condition is latched into memory.

9. Over voltage/current protection Shutdown of controlling insulated gate bipolar transistors (IGBT's), disconnect of main power, and input fuses.

10. Cooling Load Dependent Air Cooling Equipped with variable speed, load dependent blowers

11. Current-fed design Tolerant abusive loads. Operate under short-circuit conditions and open-circuit conditions

12. Front Panel Controls:

1. Power on/off

2. Start/Stop

3. Rotary Voltage/Current Entry

4. Rotary OVT/OCT Entry

5. Menu

6. Display Settings

7. Enter/Clear

8. Keypad Voltage/Current Entry

9. Keypad OVT/OCT Entry

10. Indicators:

1. Voltage/Current Set Point

2. OVT/OCT Set Point
3. Voltage/Current Output
4. Internal/External Control
5. Alarms
6. Rotary/External/Remote Programming
7. Remote Sense Enabled
8. Keypad Programming
9. Memory Setting

13. Rear Panel Controls

1. Voltage/Current Set Point
2. OVT/OCT Set Point
3. Modulation Set Point
4. Voltage/Current Output
5. Internal/External Control
6. Alarm Output
7. Status Output
8. Master/Slave Connections
9. Remote Sense Inputs
10. RS485 Inputs
11. Interlock Enable
12. Arm Enable

14. Ripple 350 mV rms. max.

15. Line Regulation Voltage Mode: $\pm 0.005\%$ of full scale Current Mode: $\pm 0.025\%$ of full scale

16. Load Regulation Voltage Mode: $\pm 0.01\%$ of full scale Current Mode: $\pm 0.05\%$ of full scale

17. Load Transient Response 2 ms to recover within $\pm 1\%$ of regulated output with a 50% to 100% or 100% to 50% step load change

18. Efficiency 90%

19. Stability $\pm 0.10\%$ for 8 hrs. after 30 min. warm-up

20. Step-start contactors maintain inrush current below full scale operating current

21. Power Factor $>90\%$

22. Dimensions / weight Power cabinet(s) (max. 2200 lbs. each) Max. dimensions 70"H, X 50"W X 36" D

2) Engineering Support:

1. On-site Installation Assistance (3 days @ 8 hrs each)

2. On-site Operator Training (3 days @ 8 hours each)

3) Warranty:

2 year on site all parts and labour included.

4) Documentation:

2 hard copies all manuals, 2 electronic copies all manuals

5) Certification:

The equipment shall be certified by an acceptable 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:

A. Canadian Standards Association (CSA)

B. Entela

C. Intertek Testing Services

D. ETL Testing Laboratories

E. Warnock Hersey (WH)

F. Underwriters Laboratories of Canada (ULC)

G. Underwriters Laboratories Inc. (UL)

H. MET Laboratories Inc. (MET)

I. TUV Rheinland of North America

J. Quality Auditing Institute (QAI)

K. TUV America Inc.

L. Factory Mutual (FM) Approvals

M. Omni-Test Laboratories Inc.

N. Curtis-Straus LLC

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.

O. Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labeled (complete with verification documentation) by the Canadian Standards Association (CSA), Cantest Ltd, Entela, Intertek Testing Services, MET Laboratories, TUV SUD America Inc, Underwriters Laboratories of Canada, Electrical Safety Authority (ESA), or QPS Evaluation Services Inc. under the Special Inspection Program. This inspection must take place before equipment delivery.

Engineering Support:

On-site Installation Assistance (3 days @ 8 hours each) and On-site operator training (3 days @ 8 hours each) are a required component of the resulting contract.

Annex B

Requirement Check List

750 Volt, 600A, 450KW Variable DC Power Supply c/w Harmonic Neutralizer

Quantity: 1

Minimum Specifications:

**Compliant
Yes/No**

1) DC Power Supply - 450 kW System

1. Output Voltage 0 to 750 Volts DC

2. Output Current 0 to 600 Amps DC

3. AC Input 480 V AC, 3F

4. Parts Compatibility: System to be compatible and parts interchangeable with existing 150 KW / 300 kW Magna MT Series power supplies.

5. Parallel/Series Operation Can be expanded in the future through parallel or series units.

6. Remote Control via virtual front panel (approx. 30m away from main unit) Provide PC or HMI control.

7. Diagnostic functions phase loss, excessive thermal conditions, over voltage trip, over current trip, fuse clearing, and program line (externally applied analog set point signals)

8. Fault action Main power disconnected; diagnostic condition is latched into memory.

9. Over voltage/current protection Shutdown of controlling insulated gate bipolar transistors (IGBT's), disconnect of main power, and input fuses.

**Compliant
Yes/No**

10. Cooling Load Dependent Air Cooling Equipped with variable speed, load dependent blowers

11. Current-fed design Tolerant abusive loads. Operate under short-circuit conditions and open-circuit conditions

12. Front Panel Controls:

1. Power on/off

2. Start/Stop

3. Rotary Voltage/Current Entry

4. Rotary OVT/OCT Entry

5. Menu

6. Display Settings

7. Enter/Clear

8. Keypad Voltage/Current Entry

9. Keypad OVT/OCT Entry

10. Indicators:

1. Voltage/Current Set Point

2. OVT/OCT Set Point

3. Voltage/Current Output

4. Internal/External Control

5. Alarms

6. Rotary/External/Remote Programming

7. Remote Sense Enabled

**Compliant
Yes/No**

8. Keypad Programming

9. Memory Setting

13. Rear Panel Controls

1. Voltage/Current Set Point

2. OVT/OCT Set Point

3. Modulation Set Point	_____
4. Voltage/Current Output	_____
5. Internal/External Control	_____
6. Alarm Output	_____
7. Status Output	_____
8. Master/Slave Connections	_____
9. Remote Sense Inputs	_____
10. RS485 Inputs	_____
11. Interlock Enable	_____
12. Arm Enable	_____
14. Ripple 350 mV rms. max.	_____
15. Line Regulation Voltage Mode: $\pm 0.005\%$ of full scale Current Mode: $\pm 0.025\%$ of full scale	_____
16. Load Regulation Voltage Mode: $\pm 0.01\%$ of full scale Current Mode: $\pm 0.05\%$ of full scale	_____
17. Load Transient Response 2 ms to recover within $\pm 1\%$ of regulated output with a 50% to 100% or 100% to 50% step load change	_____
	Compliant Yes/No
18. Efficiency 90%	_____
19. Stability $\pm 0.10\%$ for 8 hrs. after 30 min. warm-up	_____
20. Step-start contactors maintain inrush current below full scale operating current	_____
21. Power Factor >90%	_____
22. Dimensions / weight Power cabinet(s) (max. 2200 lbs. each) Max. dimensions 70"H, X 50"W X 36" D	_____
2) Engineering Support:	
1. On-site Installation Assistance (3 days @ 8 hrs each)	
2. On-site Operator Training (3 days @ 8 hours each)	
3) Warranty:	

2 year on site all parts and labour included.

4) Documentation:

2 hard copies all manuals, 2 electronic copies all manuals

5) Certification:

The equipment shall be certified by an acceptable 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

	Compliant Yes/No
A. Canadian Standards Association (CSA)	_____
B. Entela	_____
C. Intertek Testing Services	_____
D. ETL Testing Laboratories	_____
E. Warnock Hersey (WH)	_____
F. Underwriters Laboratories of Canada (ULC)	_____
G. Underwriters Laboratories Inc. (UL)	_____
H. MET Laboratories Inc. (MET)	_____
I. TUV Rheinland of North America	_____
J. Quality Auditing Institute (QAI)	_____
K. TUV America Inc.	_____
L. Factory Mutual (FM) Approvals	_____
M. Omni-Test Laboratories Inc.	_____
N. Curtis-Straus LLC	_____

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.

O. Electrical equipment that is not certified by one of the above agencies can only be accepted if the equipment is "field" inspected and labeled (complete with verification documentation) by the Canadian Standards Association (CSA), Cantest Ltd, Entela, Intertek Testing Services, MET Laboratories, TUV SUD America Inc, Underwriters Laboratories of Canada, Electrical Safety Authority (ESA), or QPS Evaluation Services Inc. under the Special Inspection Program. This inspection must take place before equipment delivery.