

**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 HIGH FREQUENCY POWER AMPLIF.	
Solicitation No. - N° de l'invitation W7714-156006/A	Date 2014-09-30
Client Reference No. - N° de référence du client W7714-156006	
GETS Reference No. - N° de référence de SEAG PW-\$\$QF-110-24707	
File No. - N° de dossier 110qf.W7714-156006	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-10-16	Time Zone Fuseau horaire Eastern Standard Time EST
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: MacNeil, Jennifer	Buyer Id - Id de l'acheteur 110qf
Telephone No. - N° de téléphone (819) 956-5577 ()	FAX No. - N° de FAX (819) 956-5650
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE BLDG 29 RECEIVING 3701 CARLING AVE DRDC-OTTAWA OTTAWA Ontario K1A0Z4 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

Electronics, Simulators and Defence Systems Div.
/Division des systèmes électroniques et des systèmes de
simulation et de défense
11 Laurier St. / 11, rue Laurier
8C2, Place du Portage
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

TABLE OF CONTENTS

HIGH FREQUENCY POWER AMPLIFIERS

PART 1 - GENERAL INFORMATION

1. Requirement
2. Debriefings
3. Trade Agreements

PART 2 - BIDDER INSTRUCTIONS

1. Standard Instructions, Clauses and Conditions
2. Submission of Bids
3. Enquiries - Bid Solicitation
4. Applicable Laws

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

1. Evaluation Procedures
2. Basis of Selection

PART 5 - CERTIFICATIONS

1. Certifications Required Precedent to Contract Award

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement
2. Requirement
3. Standard Clauses and Conditions
4. Term of Contract
5. Authorities
6. Payment
7. Invoicing Instructions
8. Certifications
9. Applicable Laws
10. Priority of Documents
11. Defence Contract
12. SACC Manual Clauses
13. Shipping Instructions - FOB Destination

List of Annexes:

Appendix 1 to the Contract	Pricing Schedule
Annex A	Mandatory Technical Specifications
Annex B	Bid Evaluation Plan

HIGH FREQUENCY POWER AMPLIFIERS

PART 1 - GENERAL INFORMATION

1. Requirement

The Bidder must provide the items detailed under Appendix 1 to the Contract and be in accordance with the mandatory technical specifications at Annex A.

2. Debriefings

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

3. Trade Agreements

"The requirement is subject to the provisions of the Agreement on Internal Trade (AIT)."

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 (2014-06-26) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: sixty (60) days

Insert: ninety (90) days

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 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.

4. Applicable Laws

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

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

PART 3 - BID PREPARATION INSTRUCTIONS

1. Bid Preparation Instructions

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

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

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

1.1 Delivery (Bidder must complete)

While delivery must be no later than March 31, 2015, the best delivery that could be offered by the Bidder is _____.

1.2 Manuals

One (1) copy by CD of a user manual in English must be supplied on delivery.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment and the Pricing Schedule at Appendix 1 to the Contract. The total amount of Applicable Taxes must be shown separately.

1.1 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

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

1.1.1 Mandatory Technical Criteria

See Annex A for mandatory technical specifications.

1.2 Financial Evaluation

SACC *Manual* Clause A0220T (2014-06-26), Evaluation of Price

2. Basis of Selection

A0031T Basis of Selection - Mandatory Technical Criteria 2010-08-16

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications and associated information 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 in carrying out any of its obligations under the Contract, 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 may render the bid non-responsive or constitute a default under the Contract.

1. Certifications Required Precedent to Contract Award

1.1 Integrity Provisions - Associated Information

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2003. The associated information required within the Integrity Provisions 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" list (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - 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.

1.3 Canadian Content Certification

This procurement is conditionally limited to Canadian goods.

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

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

The Bidder certifies that:

() the good(s) offered are Canadian goods as defined in paragraph 1 of clause A3050T.

1.3.1 *SACC Manual* clause A3050T (2010-01-11), Canadian Content Definition

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement applicable to this Contract.

2. Requirement

The Contractor must provide the items detailed under Appendix 1 to the Contract and be in accordance with the mandatory technical specifications at Annex A.

3. Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual

(<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

3.1 General Conditions

2010A (2014-06-26), 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 _____. **(filled in at contract award).**

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Jennifer MacNeil
Public Works and Government Services Canada
Acquisitions Branch
Electronics, Simulators and Defence Systems
11 Laurier Street, Phase III
Place du Portage, Hull, Quebec, K1A 0S5

Telephone: (819) 956-5577

Solicitation No. - N° de l'invitation

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

W7714-156006/A

110qf

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

W7714-156006

110qfW7714-156006

Facsimile: (819) 956-5650
E-mail address: jennifer.macneil@tpsgc-pwgsc.gc.ca

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

5.2 Technical Authority

The Technical Authority for the Contract is: **(filled in at contract award)**

Name: _____
Telephone: (____) _____
Facsimile: (____) _____
E-mail address: _____

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

5.3 Contractor's Representative (Bidder must complete)

The telephone number of the person responsible for:

General enquiries

Delivery Follow-up

Name: _____
Telephone No. _____
Facsimile No. _____
E-mail address: _____

Name: _____
Telephone No. _____
Facsimile No. _____
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 firm unit price, as specified under Appendix 1 to the Contract for a cost of \$ _____ **(filled in at contract award)**. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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

6.2 SACC Manual Clauses

H1000C Single Payment 2008-05-12

7. Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - 1 (a) The original and one (1) copy must be forwarded to the address shown on page of the Contract for certification and payment.
 - (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

8. Certifications

8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the associated information, 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.

9. Applicable Laws

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

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 (2014-06-26), General Conditions - Goods (Medium Complexity);
- (c) Appendix 1 to the Contract, Pricing Schedule;
- (d) Annex A, Mandatory Technical Specifications;
- (e) the Contractor's bid dated _____ **(filled in at contract award)**

11. Defence Contract

Solicitation No. - N° de l'invitation

W7714-156006/A

Amd. No. - N° de la modif.

File No. - N° du dossier

110qfW7714-156006

Buyer ID - Id de l'acheteur

110qf

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

W7714-156006

CCC No./N° CCC - FMS No/ N° VME

SACC *Manual* clause A9006C (2012-07-16) Defence Contract

12. **SACC Manual Clauses**

B1501C	Electrical Equipment	2006-06-16
B7010C	Marking and Labelling	2008-05-12
C2800C	Priority Rating	2013-01-28
D5545C	ISO 9001:2008 - Quality Management Systems - Requirements (Quality Assurance Code C)	2010-08-16
G1005C	Insurance	2008-05-12

13. **Shipping Instructions - Free on Board Destination**

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

FOB Destination (Ottawa, Ontario) including all delivery charges and customs duties and Applicable Taxes.

DRDC-Ottawa
Building 29
3701 Carling Avenue
Ottawa, ON K1A 0Z4
Canada

14. **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.

Solicitation No. - N° de l'invitation

W7714-156006/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

110qf

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

W7714-156006

File No. - N° du dossier

110qfW7714-156006

CCC No./N° CCC - FMS No/ N° VME

APPENDIX 1 TO THE CONTRACT

PRICING SCHEDULE

1.0 Requirement: (Bidders must complete)

1.1 Description

The Department of National Defence (DND) have a requirement for the purchase of one hundred forty-four (144) High Frequency Power Amplifiers, including shipping and a manual. Delivery is for Ottawa, Ontario.

Item	Qty	Firm Unit Price
High Frequency Power Amplifiers	144	\$_____/each

1.2 Currency

All prices provided in this schedule are quoted in the following currency:_____.

ANNEX "A"**MANDATORY TECHNICAL SPECIFICATIONS**

The Department of National Defence has a requirement for the provision of High Frequency Power Amplifiers in accordance with the criteria below.

Item	Criteria	Reference in Contractor's Proposal
1	Output power: Minimum 1 kilowatt continuous into impedance-matched load.	
2	Input power: Maximum 1 milliwatt input power to achieve 1 kilowatt output power.	
3	Supported waveform: Frequency modulated continuous wave.	
4	Carrier frequency: Minimum range 5 to 20 megahertz.	
5	Output power even harmonic level: Maximum -25 decibels relative to carrier.	
6	Output power odd harmonic level: Maximum -10 decibels relative to carrier.	
7	Output power spurious level: Maximum -80 decibels relative to carrier.	
8	Output power phase noise: Maximum -80 decibels per hertz relative to carrier at all frequencies greater than 1 hertz offset from carrier.	
9	Input and output impedances: Nominal 50 ohms unbalanced	
10	Output voltage standing wave ratio (at all load impedance angles): Minimum range 1:1 to 3:1 at 1-kilowatt forward output power, and minimum range 1:1 to 5:1 at 0.5-kilowatt forward output power.	
11	Input voltage standing wave ratio: Maximum range 1:1 to 2:1	
12	Primary power: Alternating current, single phase, maximum 2500 volt-amps.	
13	Primary power voltage: Minimum range 110-240 volts.	
14	Primary power frequency: Minimum range 50-60 hertz.	
15	Input radiofrequency connector: Sub-miniature version A, female, rear-mounted.	

16	Output radiofrequency connector: Type N connector, female, rear-mounted.	
17	Fault protection: Input overdrive, excessive load impedance mismatch, overheating.	
18	Monitoring functions: Fault occurrence, output forward power, output reverse power.	
19	Control functions: Gate on and off, load mismatch trip point, reset after fault.	
20	Monitoring and control interface: Ethernet.	
21	Size: Standard 19-inch rack-mount, maximum 3 rack units height.	
22	Cooling: Forced air, front to rear.	
23	Operating temperature: Minimum range -20 to 40 celsius ambient.	
24	Storage temperature: Minimum range -30 to 50 celsius ambient.	
25	Humidity: Minimum range 0 to 95 percent relative, non-condensing.	

ANNEX "B"**BID EVALUATION PLAN****1. Introduction**

This document identifies the methods and procedure by which proposals for the High Frequency Power Amplifiers will be evaluated. The applicable PWGSC file number is W7714-146006.

This document forms a part of the Request for Proposal (RFP) for the High Frequency Power Amplifiers.

2. Evaluation Process

The evaluation process will be conducted in the following phases:

- a) Review of each bid to ensure compliance with all mandatory requirements of the Solicitation;
- b) Identify the proposal with the lowest-priced compliant proposal.

3. Evaluation of Mandatory Requirements

A mandatory requirement is defined as a requirement that must be met in order for the Bidder's proposal to be further considered for evaluation. Mandatory requirements are assessed as either compliant or non-compliant. Any non-compliant proposals will be eliminated and no further consideration will be given to the non-compliant proposal. For the purpose of this Solicitation, mandatory requirements are those requirements identified in Annex A.

4. Supporting Documentation

Evaluations will be based solely on the proposals submitted by bidders. Bidders are therefore advised to provide required supporting documentation in their proposal and to address each requirement in sufficient depth to permit a complete analysis and assessment by the evaluation team.

5. Price of Bid

The price of bid will be determined from the information provided by the bidder in appendix 1 of the contract.

6. Contractor Selection Method - Lowest-Priced Compliant Proposal

Bidders are required to meet all of the mandatory evaluation criteria. Contractor selection will be based on the bidder offering the lowest-priced compliant proposal.