



National Defence

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

Défense nationale

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

**REQUEST FOR PROPOSAL
DEMANDE DE PROPOSITION**

**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 0B2 / Noyau 0B2
Gatineau
Québec
K1A 0S5

Proposal To: National Defence Canada

We hereby offer to sell to Her Majesty the Queen in
right of Canada, in accordance with the terms and
conditions set out herein, referred to herein or attached
hereto, the goods and services listed herein and on any
attached sheets at the price(s) set out therefore

Proposition à : Défense nationale Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine
du chef du Canada, aux conditions énoncées ou incluses par
référence dans la présente et aux annexes ci-jointes, les biens
et services énumérés ici et sur toute feuille ci-annexée, au(x)
prix indique(s).

**Solicitation Closes –
L'invitation prend fin**

At – à : 14 :00 EDT

On - le : November 6, 2017

Title/Titre Circular Polarised Antenna and Diagonal Dual Horn Antenna	Solicitation No – N° de l'invitation W8486-173549/A
Date of Solicitation – Date de l'invitation September 27, 2017	
Address Enquiries to – Adresser toutes questions à Julianne Eng julianne.eng@forces.gc.ca	
Telephone No. – N° de téléphone 819-939-9078	FAX No – N° de fax 819-994-7659
Destination See Herein Ci-Joint	

Instructions:

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

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

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

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There are no security requirements associated with this requirement.

1.2 Statement of Requirement

The requirement is detailed in Annex "A".

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 North American Free Trade Agreement (NAFTA) and the Canadian Free Trade Agreement (CFTA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2017-04-27) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety.
- b) Section 20(2), Further Information is deleted in its entirety.

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

Delete: 60 days
Insert: 90 days

2.1.1 Equivalent Products

Equivalent Products:

- 1) Products that are equivalent in form, fit, function and quality to the item(s) specified in the bid solicitation will be considered where the Bidder:
 - a) designates the brand name, model and/or part number of the substitute product;

- 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 provide technical information demonstrating the equivalency (e.g. Drawing, specification, engineering reports and/or test reports), or to demonstrate that the substitute product is equivalent to the item specified in the bid solicitation, at the sole cost of bidders, within five (5) calendar days of the request. If the bidder fails to provide the requested information within the specified delay, Canada may declare the bid non-responsive.

Equivalent Products and Replacement Part Number from OEM – Samples

- 1) If the Bidder offers an equivalent product or a replacement part number from the OEM, Canada reserves the right to request a sample from the Bidder in order to determine its equivalency in form, fit, function, quality and performance to the item specified in the bid solicitation.
- 2) The Bidder must, upon request from the Contracting Authority, provide a sample to the Technical Authority, transportation charges prepaid, and without charge to Canada, within five (5) calendar days from the date of request. The sample submitted by the Bidder will remain the property of Canada and will not be considered as part of the deliverables in any resulting contract. If the sample does not meet the requirement of the bid solicitation or the Bidder fails to comply with the request of the Contracting Authority, the bid will be declared non-responsive.

2.2 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.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than fifteen (15) calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.4 Applicable Laws

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

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory

specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (two (2) hard copies)

Section II: Financial Bid (one (1) hard copies)

Section III: Certifications (one (1) hard copies)

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

Bidders may use Attachment 1 to Part 3 to indicate their prices. If Bidders choose to use Attachment 1 to Part 3 to indicate their prices, Bidders must include Attachment 1 to Part 3 of their financial 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.

Section II: Financial Bid

Bidders must submit their financial bid as follows:

Bidders must submit firm prices, Delivered Duty Paid (DDP) at 45 Sacré-Coeur Blvd, Gatineau, Québec, Canada Incoterms 2010, Applicable Taxes excluded. The total amount of Applicable Taxes must be shown separately.

- a) Bids must be submitted in Canadian dollars.

-
- b) Blank Prices: Bidders are requested to insert "\$0.00" for any item for which it does not intend to charge or for items that are already included in other prices set out in Annex E. If the Bidder leaves any price blank, Canada will treat the prices as "\$0.00" for evaluation purposes and may request that the Bidder confirm that the price is, in fact, \$0.00. No bidder will be permitted to add or charge a price as part of this confirmation. Any bidder who does not confirm that the price for a blank item is \$0.00 will be declared non-responsive.

Pricing - Multi-Item Bid Solicitation

Bidders do not have to quote a price for all sets identified in the bid solicitation. However, Bidders must quote a price for all items in the set in order to be evaluated.

3.1.1 Electronic Payment of Invoices – Bid

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

If Annex "D" 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

3.1.3 SACC Manual Clauses

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

The mandatory technical criteria is listed in Annex B.

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid (DDP) at 45 Sacré-Coeur Blvd, Gatineau, Québec, Canada Incoterms 2010, Canadian customs duties and excise taxes included, Applicable Taxes excluded.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price per set will be recommended for award of a contract as per Annex E- Pricing Schedule.

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications 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.

5.1.1 Integrity Provisions – Required Documentation

In accordance with the *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.1.2 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 available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's website](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed) (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

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.

5.1.3 Contractor Qualifications

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Statement of Requirement

The Contractor must perform the Work in accordance with the Statement of Requirement at Annex "A".

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2010A (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modifications:

a. Definition of Minister is modified as follows:

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

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 3 weeks after contract award.

6.4.2 Shipping Instructions

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

1. Incoterms 2010 "DDP Delivered Duty Paid" 45 Sacré-Coeur Blvd, Gatineau, Québec, Canada.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: _____

Title: _____

Public Works and Government Services Canada
Acquisitions Branch
Directorate: _____
Address: _____

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

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

6.5.2 Technical Authority

The Technical Authority for the Contract is:

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

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

The Technical 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 Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex E for a cost of \$_____. Customs duties are excluded 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 Single Payment

SACC Manual Clause [H1000C](#) (2008-05-12) Single Payment

6.6.3 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);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

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

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional 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 additional 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.

6.9 Applicable Laws

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

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 (2016-04-04) General Conditions- Goods (Medium Complexity);
- (c) Annex A, Statement of Requirement;
- (d) Annex C, Security Requirements Check List;
- (e) the Contractor's bid dated _____.

6.11 Defence Contract

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

6.12 Insurance

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

6.13 Packaging Requirement

6.13.1 Packaging Requirement using Specification D-LM-008-036/SF-000

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

The Contractor must package item number(s) _____ in quantities of _____ by package.

6.13.2 Delivery

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

SACC Manual clause [D9002C](#) (2007-11-30), Incomplete Assemblies

6.14 Quality Assurance

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

6.15 Complete Delivery

The Contractor must make the complete delivery within 3 weeks from the effective date of the Contract.

6.16 Electrical Equipment

SACC Manual Clause [B1501C](#) (2006-06-16) Electrical Equipment

ANNEX "A"

STATEMENT OF REQUIREMENT

STATEMENT OF REQUIREMENT FOR PROCUREMENT OF TWO MATCHING SETS OF CIRCULAR POLARISED ANTENNA AND ONE SET OF DIAGONAL DUAL POLARIZED HORN ANTENNA FOR THE QUALITY ENGINEERING TEST ESTABLISHMENT

1.0 SCOPE

1.1 Purpose

The purpose of the Statement of Requirement (SOR) is to define the required specifications for two matching sets of Circular Polarized Antennas and one matching set of Diagonal Dual Polarized Horn Antennas that are being procured for the Electrical Section at the Quality Engineering Test Establishment (QETE).

1.3 Terminology

The terms used in this Statement of Requirement are as follows:

- DND (Department of National Defence)
- OEM (Original Equipment Manufacturer)
- SOR (Statement of Requirement)

2.0 REQUIREMENTS

DND Mandatory Technical Requirement

2.1 Specification Requirements for Circular Polarised Antennas; right-hand wound, left-hand circular polarization:

- 2.1.1 One matching set (two antennas) model number 3102 (ETS-Lindgren Inc.) or equivalent.
- 2.1.2 Each antenna must have operating frequency from 1 to 10 GHz;
- 2.1.3 Each antenna must have mount base that accepts standard 1/4 in x 20 threads from a tripod;
- 2.1.4 Each antennas must have Minimum Antenna Gain of 2 dBi at 5 GHz;
- 2.1.5 Each antenna must have one input connector Type N or Type SMA Female with a nominal impedance of 50 ohm;
- 2.1.6 Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna.

2.2 Specification Requirements for Circular Polarised Antennas; left-hand wound, right-hand circular polarization:

- 2.2.1 One matching set (two antennas) model number 3102L (ETS-Lindgren Inc.) or equivalent.
- 2.2.2 Each antenna must have operating frequency from 1 to 10 GHz;
- 2.2.3 Each antenna must have mount base that accepts standard 1/4 in x 20 threads from a tripod;

- 2.2.4 Each antennas must have Minimum Antenna Gain of 2 dBi at 5 GHz;
- 2.2.5 Each antenna must have one input connector Type N or Type SMA Female with a nominal impedance of 50 ohm;
- 2.2.6 Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna.
- 2.3 Specification Requirements for the Diagonal Dual Polarized Horn Antennas:
 - 2.3.1 One matching set (two antennas) model number 3164-06 (ETS-Lindgren Inc.) or equivalent.
 - 2.3.2 The antennas must have operating frequency from 300 MHz to 6 GHz;
 - 2.3.3 The antennas Polarization must be Dual Linear;
 - 2.3.4 Each antenna must have mount base that accepts standard 1/4 in x 20 threads from a tripod;
 - 2.3.5 The antennas must have Minimum Antenna Gain of 11 dBi at 4 GHz;
 - 2.3.6 The antennas must have two input connectors SMA Female Type;
 - 2.3.7 The antennas must have Cross Polarisation Isolation of 25 dB or more;
 - 2.3.8 Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna.

3.0 DELIVERABLES

The OEM must deliver the following goods:

No.	Deliverable Item	Qty	Note
1	Circular Polarised Antennas; right-hand wound, left-hand circular polarization	2	Model #3102 (ETS-Lindgren Inc.) or Equivalent
2	Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna	2	
3	Circular Polarised Antennas; left-hand wound, right-hand circular polarization	2	Model #3102L (ETS-Lindgren Inc.) or Equivalent
4	Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna	2	
5	Diagonal Dual Polarized Horn Antennas	2	Model #3146-06 (ETS-Lindgren Inc.) or Equivalent
6	Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna	2	

4.0 DELIVERY

The Contractor must deliver the antennas to the following address:

Quality Engineering Test Establishment (QETE)
National Printing Bureau,
45 Sacre Coeur Boulevard,
Ramp No 7
Gatineau, Québec
K1A 0K2

ANNEX "B"

MANDATORY TECHNICAL CRITERIA

The bid must meet the mandatory technical criteria specified below. Bidders must provide the necessary documentation to support compliance with the requirements, including technical data sheets, specifications, brochures and other relevant technical documentation describing the equipment offered and demonstrating compliancy. **Where the Bidder's technical documentation does not clearly demonstrate that the equipment offered will meet a specific requirement, the Bidder's proposal must provide additional descriptions of how the requirement will be met by the proposed solution.**

Each mandatory technical criterion should be addressed separately and in the order presented below.

#	MANDATORY TECHNICAL CRITERION	COMPLIANT		PROPOSAL REFERENCE OR DESCRIPTION OF HOW REQUIREMENT IS MET
		YES	No	
BIDDER'S PROPOSED GOOD				
Circular Polarised Antenna, Right-Hand Wound, Left-Hand Circular Polarization				
2.1.1	One matching set (two antennas) model number 3102 (ETS-Lindgren Inc.) or equivalent	<input type="checkbox"/>	<input type="checkbox"/>	
2.1.2	Each antenna must have operating frequency from 1 to 10 GHz	<input type="checkbox"/>	<input type="checkbox"/>	
2.1.3	Each antenna must have mount base that accepts standard 1/4 in x 20 threads from a tripod	<input type="checkbox"/>	<input type="checkbox"/>	
2.1.4	Each antennas must have Minimum Antenna Gain of 2 dBi at 5 GHz	<input type="checkbox"/>	<input type="checkbox"/>	
2.1.5	Each antenna must have one input connector Type N or Type SMA Female with a nominal impedance of 50 ohm	<input type="checkbox"/>	<input type="checkbox"/>	
2.1.6	Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna	<input type="checkbox"/>	<input type="checkbox"/>	
Circular Polarised Antenna, Left-Hand Wound, Right-Hand Circular Polarization				
2.2.1	One matching set (two antennas) model number 3102L (ETS-Lindgren Inc.) or equivalent.	<input type="checkbox"/>	<input type="checkbox"/>	
2.2.2	Each antenna must have operating frequency from 1 to 10 GHz	<input type="checkbox"/>	<input type="checkbox"/>	

#	MANDATORY TECHNICAL CRITERION	COMPLIANT		PROPOSAL REFERENCE OR DESCRIPTION OF HOW REQUIREMENT IS MET
		YES	No	
2.2.3	Each antenna must have mount base that accepts standard 1/4 in x 20 threads from a tripod	<input type="checkbox"/>	<input type="checkbox"/>	
2.2.4	Each antennas must have Minimum Antenna Gain of 2 dBi at 5 GHz	<input type="checkbox"/>	<input type="checkbox"/>	
2.2.5	Each antenna must have one input connector Type N or Type SMA Female with a nominal impedance of 50 ohm	<input type="checkbox"/>	<input type="checkbox"/>	
2.2.6	Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna	<input type="checkbox"/>	<input type="checkbox"/>	

#	MANDATORY TECHNICAL CRITERION	COMPLIANT		PROPOSAL REFERENCE OR DESCRIPTION OF HOW REQUIREMENT IS MET
		YES	NO	
BIDDER'S PROPOSED GOOD				
Diagonal Dual Polarized Antenna				
2.3.1	One matching set (two antennas) model number 3164-06 (ETS-Lindgren Inc.) or equivalent	<input type="checkbox"/>	<input type="checkbox"/>	
2.3.2	The antennas must have operating frequency from 300 MHz to 6 GHz	<input type="checkbox"/>	<input type="checkbox"/>	
2.3.3	The antennas Polarization must be Dual Linear	<input type="checkbox"/>	<input type="checkbox"/>	
2.3.4	Each antenna must have mount base that accepts standard 1/4 in x 20 threads from a tripod	<input type="checkbox"/>	<input type="checkbox"/>	
2.3.5	The antennas must have Minimum Antenna Gain of 11 dBi at 4 GHz	<input type="checkbox"/>	<input type="checkbox"/>	
2.3.6	The antennas must have two input connectors SMA Female Type	<input type="checkbox"/>	<input type="checkbox"/>	
2.3.7	The antennas must have Cross Polarisation Isolation of 25 dB or more	<input type="checkbox"/>	<input type="checkbox"/>	
2.3.8	Calibration Data Report as per SAE ARP-958 and/or ANSI C63.5 and/or IEEE 291 must be supplied for each antenna	<input type="checkbox"/>	<input type="checkbox"/>	

ANNEX "C"

SECURITY REQUIREMENTS CHECK LIST

There is no security requirement applicable to this Contract.

ANNEX "D"

ELECTRONIC PAYMENT INSTRUMENTS

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

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ATTACHMENT 1 TO PART 3 OF THE - BID SOLICITATION

ANNEX “E”

PRICING SCHEDULE

SET #1: Circular Polarised Antennas			
Deliverables Item / Goods and Services	Qty	Firm Unit Price Applicable Taxes Extra	Total Price Applicable Taxes Extra
1) Circular Polarised Antennas; right-hand wound, left hand circular polarization (SOR Para 2.1)	2	\$	\$
a) Mount base (SOR Para 2.1.3)	2	\$	\$
b) One input connector (SOR Para 2.1.5)	2		
2) Calibration data report (SOR Para 2.1.6)	2	\$	\$
3) Warranty- Initial Period (see GC 2010A 09 sub para 1.)	2	\$	\$
4) Circular Polarised Antennas; left-hand wound, right hand circular polarization (SOR Para 2.2)	2	\$	\$
a) Mount base (SOR Para 2.2.3)	2	\$	\$
b) One input connector (SOR Para 2.2.5)	2	\$	\$
5) Calibration Data Report (SOR Para 2.2.6)	2	\$	\$
6) Warranty- Initial Period (see GC 2010A 09 sub para 1.)	2	\$	\$
Total Evaluated Price			\$

Set #2: Diagonal Dual Polarised Horn Antenna			
Deliverables Item / Goods and Services	Qty	Firm Unit Price Applicable Taxes Extra	Total Price Applicable Taxes Extra
1) Diagonal Dual Polarised Horn Antennas (SOR Para 2.3)	2	\$	\$
a) Mount base (SOR Para 2.3.4)	2	\$	\$
b) Input connectors: SMA Female Type (SOR Para 2.3.6)	4	\$	\$
2) Calibration Data Reports (SOR Para 2.3.8)	2	\$	\$
3) Warranty- Initial Period (see GC 2010A 09 sub para 1.)	2	\$	\$
Total Evaluated Price			\$