

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 PORTABLE HIGH SPEED CAMERAS | |
| Solicitation No. - N° de l'invitation W8486-136125/B | Date 2013-04-04 |
| Client Reference No. - N° de référence du client W8486-136125 | |
| GETS Reference No. - N° de référence de SEAG PW-\$\$PV-899-62542 | |
| File No. - N° de dossier pv899.W8486-136125 | CCC No./N° CCC - FMS No./N° VME |
| Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-04-30 | Time Zone Fuseau horaire Eastern Daylight Saving Time EDT |
| 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: Gauthier, Martin | Buyer Id - Id de l'acheteur pv899 |
| Telephone No. - N° de téléphone (819) 956-5469 () | FAX No. - N° de FAX (819) 956-3814 |
| Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes | |

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address


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

Issuing Office - Bureau de distribution

Scientific, Medical and Photographic Division / Division de
l'équipement scientifique, des produits photographiques et
pharmaceutiques
11 Laurier St./ 11 rue, Laurier
6B1, 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 | |

| Destination Code - Code destinataire | Destination Address - Adresse de la destination | Invoice Code - Code bur.-comptable | Invoice Address - Adresse de facturation |
|---|---|---------------------------------------|---|
| D - 1 | DELIVERY WILL BE WITHIN 200KM OF THE NATIONAL CAPITAL REGION (NCR); ADDRESS TO BE SPECIFIED AT CONTRACT AWARD | W8486 | DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. ATTN: ASHLEY CORCORAN, DLP 6-1-4 OTTAWA Ontario K1A0K2 Canada |

|  Public Works and Government Services Canada | | Travaux publics et Services gouvernementaux Canada | | Document No.W8486-136125/B | | Part - Partie 1 of - de 2 See Part 2 for Clauses and Conditions Voir Partie 2 pour Clauses et Conditions | | | | |
|--|-----------------------------------|---|-----------------------|----------------------------|----------------------|--|----|-------------|---------------------------------|------------------------------|
| Item Article | Description | Dest. Code Dest. | Inv. Code Fact. | Qty Qté | U. of I. U. de D. | Unit Price/Prix unitaire FOB/FAM | | Plant/Usine | Delivery Req. Livraison Req. | Del. Offered Liv. offerte |
| 1 | PORTABLE HIGH SPEED CAMERAS | D - 1 | W8486 | 3 | Each | \$ | \$ | | See Herein | |
| 3 | OPTION PORTABLE HIGH SPEED CAMERA | Total | | 3 | Each | \$ | \$ | | | |

This bid solicitation cancels and supersedes previous bid solicitation number W8486-136125/A dated 03-12-2012 with a closing of 15-01-2013 at 2:00 pm.

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PART 1 - GENERAL INFORMATION

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The requirement is detailed under the "Line Item Detail", and in accordance with the Mandatory Specifications at Annex "A". Manuals to be included.

2.1 Optional Requirement

The Bidder grants to Canada the irrevocable option to purchase up to an additional three (3) units within twenty-four (24) months of contract award under the same terms and conditions and at the prices 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.

3. Debriefings

After contract award, bidders may request a debriefing on the results of the bid solicitation. Bidders should make the request to the Contracting Authority within 15 working days of receipt of notification that their bid was unsuccessful. The debriefing may be provided 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 (2012-11-19) 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

1.1 SACC Manual Clauses

B1000T

Condition of Material

2007-11-30

2. Submission of Bids

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

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

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 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 the province of Ontario, Canada.

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 (2) copies)
 Section II: Financial Bid (one (1) copy)
 Section III: Certifications (one (1) 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>). To assist Canada in reaching its objectives, bidders are encouraged to:

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

1.1 Section I: Technical Bid

The following applies to the Requirement and bidders must provide the following information in the bid where applicable:

1.1.1 Product Offered (BIDDER TO COMPLETE)

The Bidder must indicate the make and model number of the products offered (identify specific components which make up the system):

Name of Manufacturer: _____

Model/Part Number: _____

1.1.2 Point of Manufacture/Shipping (BIDDER TO COMPLETE)

The Bidder must state the point of manufacture/shipping of goods or where service is to be performed:

Location: _____

Postal Code: _____

1.1.3 Delivery (BIDDER TO COMPLETE)

Delivery of the initial three (3) Portables High Speed Cameras is requested on or before 31 June 2013. Please provide an answer to the following:

Yes this delivery date can be met _____

OR

No, the best delivery date that can be offered is _____

1.1.4 Contacts

Bidders are requested to provide the following: Information pertaining to Article 5.4 Contractor Representatives under Part 6, Resulting Contract Clauses.

1.2 Section II: Financial Bid

- 1.2.1** The bidder must quote a firm unit price all inclusive of supply and manuals, DDP (Ottawa, Ontario) Incoterms 2000, for the goods identified in Line Item Details. The Goods and Services Tax (GST) and/or the Harmonized Sales Tax (HST) extra, as applicable. Freight charges to destination and all applicable Customs duties and taxes not included.

1.2.2 Optional Requirement

Bidders must quote a firm unit price for the optional quantities for the goods identified below, all inclusive of supply and manuals, DDP (Ottawa, Ontario) Incoterms 2000. If the bidder fails to quote a firm unit price for the optional quantities, the bidder will be considered non-compliant and no further consideration will be given.

Portable High Speed Camera-up to an additional quantity of three (3) units.

Firm unit price: \$_____

1.2.3 Exchange Rate Fluctuation

C3011T

Exchange Rate Fluctuation

2010-01-11

1.3 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

All proposals submitted must be completed in full and provide all of the information requested in the Request for Proposal (RFP) package to enable a full and complete evaluation. If the requirement is not addressed in the bidder's proposal, the proposal will be considered incomplete or non-responsive and will be rejected. The onus is on the bidder to provide all the information necessary to ensure a complete and accurate assessment.

Factors for Evaluation

1. **PRICING BASIS (MANDATORY):** Prices must be firm, DDP Delivered Duty Paid.
2. **ABILITY TO MEET THE TECHNICAL REQUIREMENT (MANDATORY):**
 - a) For Items Defined by Specifications:

The bidder is requested to cross reference the mandatory technical criteria contained herein to their supporting technical documentation.
 - b) Provision of Supporting Technical Documentation:

Supporting technical documentation for the stores offered must be provided with the bid at time of bid closing.

Technical brochures or technical data **MUST** be provided to verify compliancy to the technical mandatory specifications.
3. **COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS REQUEST FOR PROPOSAL (MANDATORY)**
4. **FOR CANADIAN SUPPLIERS ONLY:** Please note that the requirements of the Federal Contractors Program for Employment Equity may apply - see herein. **(MANDATORY if applicable)**

1.2 Financial Evaluation

The lowest evaluated price will be established using the following criteria:

- a) prices will be evaluated in Canadian Funds including any applicable Taxes and Canadian Customs Duty (if applicable) and excluding the Goods and Services Tax (GST) or Harmonized Sales Tax (HST). For evaluation purposes, bids received in a foreign currency will be converted to Canadian funds using the appropriate rate of exchange using the rate quoted by the Bank of Canada as being in effect on date of bid closing.
- b) prices will be evaluated DDP (Ottawa, Ontario) Incoterms 2000.

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 aggregate evaluated price (including the optional quantities) will be recommended for award of a contract.

PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

1. Mandatory Certifications Required Precedent to Contract Award

1.1 Code of Conduct and Certifications - Related documentation

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

2. Additional Certifications Required with the Bid

Bidders must submit the following duly completed certifications with their bid.

2.1 Federal Contractors Program - Certification

2.1.1 Federal Contractors Program - \$200,000 or more

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.

2. If the Bidder does not fall within the exceptions enumerated in 3. (a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.
3. The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) () is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada;
- (b) () is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) () is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- (d) () is subject to the FCP, and has a valid certificate number as follows: _____
(e.g. has not been declared an ineligible contractor by HRSDC.)

Further information on the FCP is available on the HRSDC Web site:
<http://www.hrsdc.gc.ca/eng/labour/equality/fcp/index.shtml>

PART 6 - RESULTING CONTRACT CLAUSES

1. Security Requirement

There is no security requirement associated with the requirement.

2. Requirement

The requirement is detailed under the "Line Item Detail", and in accordance with the Mandatory Specifications at Annex "A".

2.1 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase up to an additional three (3) units, as identified under article 6 - Basis of Payment, under the same terms and conditions and at the prices 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 24 months after contract award by sending a written notice to the Contractor.

2.2 Manuals

Manuals are considered as part of the equipment. The following must be provided with each unit.

- (a) One (1) hard copy and one (1) electronic copy of the Operators Manual, in English, with illustrated operating, preventive and user maintenance and safety instructions; and
- (b) One (1) hard copy and one (1) electronic copy of the Maintenance Manual, in English, with first and second line repairs.
- (c) One (1) electronic copy of a list of parts and service distributors in Canada and/or the United States of America.

The Operator and Maintenance Manuals may be provided in one manual.

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 (2012-11-19) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

4. Term of Contract

4.1 Delivery Date

All the deliverables are requested on or before _____ **(to be filled in only at contract award).**

5. Authorities

5.1 Contracting Authority

The Contracting Authority for the Contract is:

Martin Gauthier
Public Works and Government Services Canada
Acquisitions Branch
Commercial Consumer Products Directorate
11 Laurier Street, 6A2, Phase III
Place du Portage, Hull, Quebec, K1A 0S5
Telephone: (819) 956-5469
Facsimile: (819) 956-3814
E-mail address: martin.gauthier@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 (to be filled in only at contract award)

The Technical Authority for the Contract is:

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 DND Procurement Authority (to be filled in only at contract award)

The DND Procurement Authority for the Contract is:

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

The DND Procurement Authority is responsible for the DND contract management and for the authorization of all work against this contract.

5.4 Contractor's Representative (Bidder to complet)

The telephone number of the person responsible for:

General enquiries

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

Delivery Follow-up

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

6. Payment**6.1 Basis of Payment - Firm Price**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm lot price for a cost of \$_____ **(to be filled in only at contract award)** for all items identifies under Line Item 1. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

6.1.1 Basis of Payment - Optional Requirement

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm unit price for the goods identified below. Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

Portable High Speed Camera-up to an additional quantity of three (3) units.

Firm unit price: \$_____

6.2 Limitation of Price

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

6.3 SACC Manual Clauses

H1001C

Multiple Payments

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.

Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the following address for certification and payment. (Insert the name and address of the organization)
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

8. Certifications

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

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, Canada.

10. Priority of Documents

If there is a discrepancy between the wordings of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) 2010A (2012-11-19) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Mandatory Specifications;
- (d) the Contractor's bid dated (to be filled in at contract award).

11. SACC Manual Clause

| | | |
|--------|---|------------|
| A2000C | Foreign Nationals (Canadian Contractor) | 2006-06-16 |
| A2001C | Foreign Nationals (Foreign Contractor) | 2006-06-16 |
| A9006C | Defence Contract | 2012-07-16 |

12. Shipping Instructions - Delivery to Destination

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

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

2. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and customs clearance, including the payment of customs duties and taxes.

13. Preparation for Delivery

The Contractor must prepare each item number 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 in quantities of one (1) by package.

ANNEX A**MANDATORY SPECIFICATIONS
PORTABLE HIGH SPEED CAMERA****1.0 Environmental Specifications**

The Portable High Speed Camera must operate fully in the following environmental conditions:

- 1.1** Must have a range temperature between: 5 to 40°C (41 to 104°F)

Reference in Bidder's Proposal: _____

2.0 Weight/Size

The Portable High Speed Camera must have a weight and size that permits portability as follows:

- 2.1** Must have a maximum body size (excluding protrusions) of Depth: 10.2 cm (4 in); Width: 25.4 cm (10 in); and Height: 12.7 cm (5 in);

Reference in Bidder's Proposal: _____

- 2.2** Must have a weight (including batteries) of no more than 2 kg (4.4 pounds).

Reference in Bidder's Proposal: _____

3.0 Power

The Portable High Speed Camera must:

- 3.1** Have an internal rechargeable battery pack (such as Lithium-Ion) that, when fully charged, is capable of operating the camera, with the display active, for a minimum of 4 hours at 20°C (68°F);

Reference in Bidder's Proposal: _____

- 3.2** Must be compatible with DC Voltage: 10-26 VDC external power sources

Reference in Bidder's Proposal: _____

4.0 The Portable High Speed Camera must have the following features:**4.1 Construction:**

- 4.1.1** Must be a stand-alone self-contained unit with an anodized machined aluminum body

Reference in Bidder's Proposal: _____

- 4.1.2** Must be similar in appearance to a commercial off-the-shelf Single Lens Reflex camera similar to the Sony a57 DSLR (<http://store.sony.com/p/SLT-A57K/en/p/SLTA57K>)

Reference in Bidder's Proposal: _____

- 4.1.3** Must have a built in high resolution LCD screen on the rear of the camera body with a minimum size of 15 cm (6 in) diagonal;

Reference in Bidder's Proposal: _____

4.2 Sensor

- 4.2.1** Must have a 10 bit colour CMOS image sensor with a resolution of a minimum 14µm square pixels;

Reference in Bidder's Proposal: _____

- 4.2.2** Must have adjustable ISO settings in accordance with ISO 3200, as a minimum.

Reference in Bidder's Proposal: _____

- 4.2.3** Must have a low light operations mode equal to or better than ISO sensitivity of 3,200 measured to ISO12232 S sat;

Reference in Bidder's Proposal: _____

4.3 Resolution

- 4.3.1** Must have a minimum resolution of 1280 x 1024 at a frame rate of 500 frames per second (fps);

Reference in Bidder's Proposal: _____

- 4.3.2** Must be able to operate at full resolution at a frame rate of 125 fps or less;

Reference in Bidder's Proposal: _____

- 4.3.3** Must be able to operate at a frame rate of up to no less than 20,000 fps at lower resolution

Reference in Bidder's Proposal: _____

4.4 Shutter

- 4.4.1** Must have an electric shutter capable of operating at no more than 2 µ-seconds up to no less than 16 milli-seconds;

Reference in Bidder's Proposal: _____

4.4.2 Must have a finger activated trigger;

Reference in Bidder's Proposal: _____

4.4.3 Must be capable of synchronization to external triggering devices via Transistor Capacity format (TTL).

Reference in Bidder's Proposal: _____

4.5 Input/Output:

4.5.1 Must have the following minimum input/output ports Trigger; and Synchronization

Reference in Bidder's Proposal: _____

4.5.2 Have the following minimum outputs USB; Secure Digital; Ethernet; and HDMI video out;

Reference in Bidder's Proposal: _____

4.6 File Formatting:

4.6.1 Must be capable of saving stack images in various formats including (but not limited to): Joint Photographic Experts Group (JPEG); Tagged Image File Format (TIFF); and Bitmap (BMP);

Reference in Bidder's Proposal: _____

4.6.2 Must be capable of saving video in various formats including (but not limited to): Audio Visual Interlace (AVI); and Cinema Digital Negative (DNG);

Reference in Bidder's Proposal: _____

4.7 Lens Compatibility

4.7.1 Must be Compatible with F-mount and C-mount lenses utilizing adapters (if required);

Reference in Bidder's Proposal: _____

4.8 Memory

4.8.1 Must have a built-in non-volatile Solid State Hard Drive (SSD) with a minimum capacity of 64 GB;

Reference in Bidder's Proposal: _____

4.8.2 Must permits Secure Digital High Capacity format (SDHC) removable storage of at least 32 GB;

Reference in Bidder's Proposal: _____

Solicitation No. - N° de l'invitation

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Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

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

File No. - N° du dossier

CCC No./N° CCC - FMS No/ N° VME

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4.9 Software

4.9.1 Must be compatible with Windows 7 (64 bit).

Reference in Bidder's Proposal:
