



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Public Works and Government Services Canada
Canada Place/Place du Canada
10th Floor/5e étage
9700 Jasper Ave/9700 ave Jasper
Edmonton
Alberta
T5J 4C3
Bid Fax: (780) 497-3510

**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

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Public Works and Government Services Canada
Canada Place/Place du Canada
10th Floor/5e étage
9700 Jasper Ave/9700 ave Jasper
Edmonton
Alberta
T5J 4C3

Title - Sujet Aerosol Monitor	
Solicitation No. - N° de l'invitation W7702-206206/A	Date 2019-12-05
Client Reference No. - N° de référence du client W7702-206206	
GETS Reference No. - N° de référence de SEAG PW-\$EDM-206-11748	
File No. - N° de dossier EDM-9-42103 (206)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2020-01-17	Time Zone Fuseau horaire Mountain Standard Time MST
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: Brent Peters	Buyer Id - Id de l'acheteur edm206
Telephone No. - N° de téléphone (780) 235-8279 ()	FAX No. - N° de FAX (780) 497-3510
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE BLDG 560, RECEIVING 560 MOUNT SORRELL ROAD RALSTON Alberta T0J2N0 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

**REQUEST FOR PROPOSAL (RFP)
CUSTOM-BUILT PROTOTYPE AEROSOL MONITORING SENSOR
FOR DEFENCE RESEARCH AND DEVELOPMENT CANADA, RALSTON, AB**

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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

1.2 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.

1.3 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA) and the Canadian Free Trade Agreement (CFTA).

1.4 epost Connect service

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

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The [2003](#) (2019-03-04) 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: 60 days
Insert: 120 days

2.2 Submission of Bids

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

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit, the email address is:

ROReceptionSoumissions.WRBidReceiving@tpsgc-pwgsc.gc.ca

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 10 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 Alberta.

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

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The epost Connect service has the capacity to receive multiple documents, up to 1GB per individual attachment.

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

- Section I: Technical Bid
- Section II: Financial Bid
- Section III: Certifications
- Section IV: Additional Information (if applicable)

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

- Section I: Technical Bid (1 hard copy)
- Section II: Financial Bid (1 hard copy)
- Section III: Certifications (1 hard copy)
- Section IV: Additional Information (1 hard copy, if applicable)

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

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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

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

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

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

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

Section I: Technical Bid

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

Section II: Financial Bid

Bidders must submit their financial offer in accordance with the Basis of Evaluation/Payment Annex B.

3.1.1 Electronic Payment of Invoices - Bid

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

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

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

3.1.2 Exchange Rate Fluctuation

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

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

Failure to meet any of the following mandatory criteria at solicitation closing will render your submission non-compliant and it will be given no further consideration.

- a) Compliance with the terms and conditions contained in this document.
- b) Bidder must provide pricing for all mandatory items listed in Annex B.

4.1.2 Financial Evaluation

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

4.2 Basis of Selection - Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. comply with all the requirements of the bid solicitation; and
 - b. meet all mandatory criteria; and
 - c. obtain the required minimum of points per section for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of 36 points.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%.
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30%.
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000.00.

Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)				
		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Evaluated Bid Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 70 = 59.63$	$89/135 \times 70 = 46.15$	$92/135 \times 70 = 47.70$
	Pricing Score	$45/55 \times 30 = 24.55$	$45/50 \times 30 = 27.00$	$45/45 \times 30 = 30.00$
Combined Rating		84.18	73.15	77.70
Overall Rating		1 st	3 rd	2 nd

PART 5 - CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Requirement

The Contractor must provide the items detailed under Annex A - Requirement.

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*](#) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

[2010A](#) (2018-06-21) General Conditions - Goods (medium complexity), apply to and form part of the Contract.

6.4 Term of the Contract

6.4.1 Period of the Contract

The period of the Contract is from date of award until final acceptance of all the deliverables, including any warranty period(s), whichever is later.

6.4.2 Delivery Date

All the deliverables must be received on or before 2019-03-26.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority is:

Brent Peters
Procurement Specialist
Public Works and Government Services Canada

Acquisitions Branch, Western Region
Canada Place, 10th Floor
1000-9700 Jasper Avenue
Edmonton, AB T5J 4C3

Telephone: 780-235-8279
Facsimile: 780-497-3510
E-mail address: Brent.Peters@pwgsc-tpsgc.gc.ca

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

6.5.2 Technical Authority

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

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 (should be completed by Bidder at time of offer)

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: ____ - ____ - _____

Facsimile: ____ - ____ - _____

E-mail address: _____

Procurement Business Number (PBN): _____

6.6 Payment

6.6.1 Basis of Payment - Firm Unit Prices

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm unit prices specified in the Basis of Payment in Annex B, for a cost of \$_____ (to be inserted at Contract award). Customs duties are included and Applicable Taxes are extra.

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

6.6.2 SACC Manual Clauses

H1000C (2008-05-12), Single Payment

6.6.3 Electronic Payment of Invoices - Contract (if applicable)

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

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

6.6.4 Inspection and Acceptance

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

6.7 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 and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. ***(to be completed by the Bidder only if requesting a Canadian jurisdiction other than Alberta)***

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;

Solicitation No. - N° de l'invitation
W7702-206206/A
Client Ref. No. - N° de réf. du client
W7702-206206

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42103

Buyer ID - Id de l'acheteur
EDM206
CCC No. - N° CCC /FMS No. - N° VME

- b) the general conditions 2010A (2018-06-21) General Conditions - Goods (medium complexity);
- c) Annex A, Requirement;
- d) Annex B, Basis of Payment;
- e) Contractor's bid dated _____ (insert date of bid), as clarified on _____ (if applicable) or as amended on _____ (if applicable).

6.11 SACC Manual Clauses

B7500C (2006-06-16), Excess Goods

G1005C (2016-01-28), Insurance - No Specific Requirement

ANNEX A REQUIREMENT

1. TITLE

ACQUISITION OF A CUSTOM-BUILT PROTOTYPE AEROSOL MONITORING SENSOR

2. BACKGROUND

Much of the current CAF in-service countermeasures against chemical threat agents have been designed to protect against volatile compounds. Respirators and protective suits apply active carbon to adsorb volatile toxic agents, however, hazards coming from aerosols pose new challenges. Among those challenges are less-volatile chemicals, which can be a health hazard when released in the form of aerosols.

A 3D human model for predicting the aerosol protective capability of CBR military clothing was developed by DRDC Suffield; however, it has not been validated yet for its predictive capability through experimental testing. Test apparatus and equipment will be acquired and designed to obtain experimental data that can be inputted as parameters into the model.

One of the test apparatus will be the design of a mannequin test platform with custom-built aerosol monitoring sensors embedded into the mannequin frame, sampling at the surface and at different body locations. Different CBR clothing will be worn by the mannequin and evaluated against a variety of different aerosols. Both the concentration and size of the aerosol that has penetrated inside the clothing will be measured by the sensors. This procurement is for the acquisition of a prototype sensor with the following features:

- a. Measure both aerosol penetration and size in real-time, using optical particle counting technology and over a large size range;
- b. Measure at a low sample flow rate;
- c. Small and compact design for embedding into the mannequin frame, at different locations on the body, and sample flush to the mannequin surface;
- d. Wireless transmission of data;
- e. Control of multiple sensors from one user interface application;
- f. Filtering of the exhaust air for re-circulation;
- g. An automated sampling pump to eliminate ongoing manual calibration of pump and ensure accurate measurements in conditions of high wind speed.

3. ACRONYMS

CAD	Canadian
DRDC	Defence Research and Development Canada
ISO	International Standards Organization
PSL	Polystyrene latex
SOR	Statement of Requirement
TA	Technical Authority

4. APPLICABLE DOCUMENTS & REFERENCES

None

5. REQUIREMENTS

5.1 Prototype Aerosol Monitoring Sensor

Specifications – As per Minimum Mandatory Technical Specifications below:

5.1.1	Optical particle sensor
5.1.2	Maximum dimensions of instrument: 90 mm x 85 mm x 45 mm; Opening of the inlet and outlet port positioned normal to the 90 mm x 85 mm planar surface
5.1.3	Filtering of the exhaust air for re-circulation
5.1.4	The height of the inlet and outlet port will be a maximum of 2 cm above the planar surface. The inlet port will be conical shaped with an option for a barb fitting. The outlet port will be a tube with a barb fitting on the end of it.
5.1.5	Bluetooth® technology and USB cable
5.1.6	Bluetooth® designed to connect a minimum of 5 units to the user interface application software at the same time
5.1.7	Weight less than 700 grams
5.1.8	Measure equivalent particle diameter sizes of polystyrene latex (PSL) beads from 0.5 µm to 5 µm
5.1.9	Capable of measuring a minimum of 30 particle size bins
5.1.10	Direct current power cable
5.1.11	An automated sample pump that pulls at a continuous flow rate of up to 550 mL/min
5.1.12	Capable of measuring at least 150 x10 ⁶ particles/m ³ with Arizona Road Dust
5.1.13	The particle count in each size bin is calibrated to ISO 12103-1, A1 Ultra Fine Arizona Road Dust.
5.1.14	Environmental operating parameters: temperature: 5° C to 35° C; relative humidity: between 15% and 70% up to 30° C
5.1.15	Capable of measuring a mass concentration of at least 4 mg/m ³
5.1.16	The graphic user interface is capable of displaying a bar graph of a minimum of 15 aggregated particle size bins

5.2 Accessories

The Contractor must provide the following accessories for requirement 5.1:

5.2.1	USB cable
5.2.2	DC Power cable and adapter

6. DELIVERABLES

No.	Description	Qty.
6.1	Custom-built prototype aerosol monitoring as described in requirement 5.1	1 each
6.2	Power and data transmission cable as described in requirement 5.2	1 set

7. DATE OF DELIVERY

All deliverables must be received at delivery location on or before 2020-03-26

8. LANGUAGE OF WORK

English

9. DELIVERY LOCATION

Defence Research and Development Canada – Suffield Research Centre
560 Mount Sorrell Road
Bldg. 560 Receiving
Ralston, Alberta T0J 2N0

10. TRAVEL

The Contractor is not required to travel.

11. MEETINGS

Not required

12. GOVERNMENT SUPPLIED MATERIAL (GSM)

None

13. GOVERNMENT FURNISHED EQUIPMENT (GFE)

None

14. SPECIAL CONSIDERATIONS

None

15. SECURITY

All work is unclassified and the Contractor will not have access to any classified information.

16. INTELLECTUAL PROPERTY (IP) OWNERSHIP

Not applicable

17. CONTROLLED GOODS

Not applicable

ANNEX B BASIS OF EVALUATION/PAYMENT

Basis of Evaluation:

A. Compliance Matrix – Minimum Mandatory Performance Specifications

A complete list of the minimum mandatory performance specifications are detailed below in the "Compliance matrix". Bidders are to clearly demonstrate compliance with each mandatory specification.

1. Bidders must show compliance by addressing each performance specification in the Compliance Matrix, whether the product offered "meets" or "doesn't meet".
2. Bidders are requested to indicate how they meet each performance specification by recording this information under the Performance Specification Offered column in the Compliance Matrix.
3. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Compliance Matrix for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.
4. If the supporting documentation referenced above has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.
5. Bidders must address any concerns with the performance specifications in written detail to the Contracting Authority before bid closing as outlined in the Request for Proposal (RFP) document.
6. Failure to meet each mandatory performance specification will result in the bid being deemed non-responsive, and be given no further consideration.

To be completed by Bidder:

Spec. # from Annex A	Met (Y or N)	Supporting Technical Documentation Reference (include bid page number where supporting information is found) and/or provide Narrative
5.1 Prototype Aerosol Monitoring Sensor		
5.1.1	_____	
5.1.2	_____	
5.1.3	_____	
5.1.4	_____	

5.1.5	_____	
5.1.6	_____	
5.1.7	_____	
5.1.8	_____	
5.1.9	_____	
5.1.10	_____	
5.1.11	_____	
5.1.12	_____	
5.1.13	_____	
5.1.14	_____	
5.1.15	_____	
5.1.16	_____	
5.2 Accessories		
5.2.1	_____	
5.2.2	_____	

B. Point-rated Evaluation Criteria (scoring to be completed by evaluator)

B1. Physical Instrument Properties

Item #	Rated Performance Specification	3 Points (maximum)	2 Points	1 Point	Points score
1	Instrument dimensions	Dimensions of instrument: (<80 mm) x (<75 mm) x (<35 mm)	Dimensions of instrument: (80 to 84 mm) x (75 to 79 mm) x (35 to 39 mm)	Dimensions of instrument: 85 to 89 mm x 80 to 84 mm x 40 to 44 mm	
2	Inlet and outlet port design	The height of the inlet and outlet port will be a less than 1 cm above the planar surface.	The height of the inlet and outlet port will be between 1 and 1.4 cm (inclusive) above the planar surface.	The height of the inlet and outlet port will be between 1.5 and 1.9 cm (inclusive) above the planar surface.	

3	Weight	Less than 500 grams	Between 500 and 599 grams (inclusive)	Between 600 and 699 grams (inclusive)	
Total Points B1 (min. 2 points required)					

B2. Operating Instrument Properties

Item #	Rated Performance Specification	3 Points (maximum)	2 Points	1 Point	Points score
4	Sample pump	An automated sample pump that pulls at a continuous flow rate less than 350 mL/min	An automated sample pump that pulls at a continuous flow rate between 350 and 449 mL/min (inclusive)	An automated sample pump that pulls at a continuous flow rate between 450 and 549 mL/min (inclusive).	
5	Relative humidity	Between 10% and 79% up to 30° C	Between 15% and 79% up to 30° C	Between 15% and 75% up to 30° C	
6	Temperature	Between 1°C to 45° C	Between 5° C to 45° C	Between 5° C to 40° C	
Total Points B2 (min. 2 points required)					

B3. Aerosol Detection and Measuring Properties

Item #	Rated Performance Specification	3 Points (maximum)	2 Points	1 Point	Points score
7	Particle size range and bins	Measure equivalent particle diameter sizes of polystyrene latex (PSL) beads from 0.3 µm to 8 µm	Measure equivalent particle diameter sizes of polystyrene latex (PSL) beads from 0.4 µm to 8 µm	Measure equivalent particle diameter sizes of polystyrene latex (PSL) beads from 0.5 µm to 8 µm	
8	Particle size bins	Capable of measuring over 100 particle size bins	Capable of measuring between 50 and 100 (inclusive) particle size bins	Capable of measuring between 31 and 50 (inclusive) particle size bins	
9	Particle count rate	Capable of measuring at least 500 x106 particles/m3 with Ariz. Road Dust	Capable of measuring at least 400 x106 particles/m3 with Arizona Road Dust	Capable of measuring at least 200 x106 particles/m3 with Arizona Road Dust	
10	Maximum measurable mass concentration	Capable of measuring a mass concentration of at least 10 mg/m3	Capable of measuring a mass concentration of at least 8 mg/m3	Capable of measuring a mass concentration of at least 5 mg/m3	
Total Points B3 (min. 3 points required)					

B4. User Control and Display Properties

Item #	Rated Performance Specification	3 Points (maximum)	2 Points	1 Point	Points score
11	Multiple unit control capability	Bluetooth designed to connect over 10 units to the user interface application software at the same time	Bluetooth designed to connect up to 10 units to the user interface application software at the same time	Bluetooth designed to connect up to 6 units to the user interface application software at the same time	
12	Graphical display	The graphic user interface can display a bar graph of a minimum of 24 aggregated particle size bins	The graphic user interface can display a bar graph of a minimum of 20 aggregated particle size bins	The graphic user interface can display a bar graph of a minimum of 17 aggregated particle size bins	
Total Points B4 (min. 1 point required)					

Basis of Payment:

1. Firm prices are in Canadian dollars, applicable taxes excluded, FOB destination, including all applicable fees such as delivery, offloading, applicable fuel surcharges, customs, duties, and brokerage fees.
2. Applicable tax(es) will be shown as separate line item(s) on any resulting invoices.
3. All items must be filled out in order for the bid to be deemed responsive, if any line item is left blank it will be considered zero for evaluation purposes.

To be completed by Bidder:

Item	Description	Qty.	Unit Price	Extended Price
1.	Custom-built prototype aerosol monitoring as described in Annex A	1 each	\$_____	\$_____
2.	Power and data transmission cable as described in Annex A	1 set	\$_____	\$_____
TOTAL BID PRICE (excluding taxes)				\$_____

Make and Model Offered: _____

Solicitation No. - N° de l'invitation
W7702-206206/A
Client Ref. No. - N° de réf. du client
W7702-206206

Amd. No. - N° de la modif.
File No. - N° du dossier
EDM-9-42103

Buyer ID - Id de l'acheteur
EDM206
CCC No. - N° CCC /FMS No. - N° VME

ANNEX C TO PART 3 OF THE BID SOLICITATION
ELECTRONIC PAYMENT INSTRUMENTS
(Bidder to complete as applicable)

The Bidder accepts to be paid by 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).