

**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
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 RADIANT PANEL FLAME SPREAD APPARATU	
Solicitation No. - N° de l'invitation W8486-162888/A	Date 2015-07-23
Client Reference No. - N° de référence du client W8486-162888	
GETS Reference No. - N° de référence de SEAG PW-\$\$PV-941-67709	
File No. - N° de dossier pv941.W8486-162888	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-09-02	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Martins, Christina	Buyer Id - Id de l'acheteur pv941
Telephone No. - N° de téléphone (819) 956-6911 ()	FAX No. - N° de FAX (819) 956-3814
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Department of Nationl Defence Quality Engineering Test Establishment (QETE) National Printing Bureau 45 Sacre Coeur Boulevard Ramp No 7 Gatineau, Quebec K1A 0K2	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

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

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



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	DEPARTMENT OF NATIONAL DEFENCE C/O QETE WAREHOUSE 819-994-1819 RAMP 8 , ROOM C-1113 45 SACRE-COEUR BLVD. GATINEAU QC J8X 1C6 CANADA	W8486	DEPARTMENT OF NATIONAL DEFENCE 101 COLONEL BY DR. NDHQ ATTN: LUC ROUSSY , DLP 4-4-2-1 OTTAWA Ontario K1A0K2 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Destination	Unit Price/Prix unitaire FOB/FAM	Plant/Usine	Delivery Req. Livraison Req.	Del. Offered Liv. offerte
1	RADIANT PANEL FLAME SPREAD APPARAT US RADIANT PANEL FLAME SPREAD APPARATUS in accordance with the Requirement listed in Annex A. Shipping, installation, training, manuals and software updates included.	D - 1	W8486	1	LOT	\$	XXXXXXXXXXXX		See Herein	

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RADIANT PANEL FLAME SPREAD APPARATUS

PART 1 - GENERAL INFORMATION

1. Requirement

The Requirement is detailed under Annex "A" and herein.

1.1 Optional Requirement

The Contractor grants to Canada the irrevocable option to purchase the following under the same terms and conditions and at the prices stated in the contract.

- (24) 1. **Radiant Panel Flame Spread Apparatus:** Up to (1) additional unit within twenty-four months of contract award.
2. **Maintenance:** Up to four (4) consecutive additional one (1) year within 36 months of contract award.
- periods 3. **Replacement Radiant Panels:** Per panel for up to two (2) additional one (1) year within twenty-four (24) months of contract award.
- sixty 4. **Software upgrades:** Up to five (5) consecutive additional one (1) year periods within (60) months of contract award.

The options listed above may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

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 from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

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(2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

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

Delete: sixty (60) days
Insert: ninety (90) days

2.1.1 SACC Manual Clauses

B1000T

Condition of Material

2014-06-26

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 ten (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 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 (three (3) hard copies)
Section II:	Financial Bid (one (1) hard copy)
Section III:	Certifications (one (1) hard copy)
Section IV:	Additional Information (one (1) hard copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process

Policy on Green Procurement

(<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). 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.

3.1 Manuals

As a minimum, one (1) complete set of operating, maintenance and troubleshooting manuals and media for the complete system as well as spare parts list in electronic format must be supplied with the Radiant Panel Flame Spread Apparatus.

3.2 Installation, Commissioning and Specification Testing (BIDDER TO COMPLETE)

On-site installation and commissioning and specification testing must be carried out by a qualified service technician.

State your best installation schedule. Installation and commissioning must be carried out within thirty (30) calendar days of delivery and be completed within _____ calendar days.

All work must be performed during normal business hours (08:00-16:00).

The service technician performing the installation and calibration must be authorized by the OEM to work on the Radiant Panel Flame Spread Apparatus being supplied.

Delivery, installation and specification testing of the complete Radiant Panel Flame Spread Apparatus must satisfy all the requirements listed in Annex "A," including but not limited to all accessories/hardware, software, manuals and other documents.

3.3 Training (BIDDER TO COMPLETE)

A minimum of two (2) days of on-site user training must be provided for up to a maximum of five (5) users. All costs associated with the on-site training must be included in the price.

On-site training must be completed within thirty (30) calendar days of installation.

Provide complete details of training e.g. duration, scope, etc.,

3.2 Service (BIDDER TO COMPLETE)

Purchase of the Radiant Panel Flame Spread Apparatus must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system.

Response for service must be within 24 hours or less.

Also, provide the following with your bid (for information purposes only):

- a) Location of available service facilities (after sales service and repair). List the service facilities closest to the destination.

- b) Locations of available replacement parts from consumables to major components.

- c) Response time re: service calls, and escalation schedule, i.e. (how many days with no resolution to a problem until a more experienced person is called in, and from which location).

- d) List the frequency of routine maintenance visits provided by a qualified service technician during the warranty period, if applicable and included in the price.

- e) Controller software must include minimum 1 year of maintenance

3.4 Software Updates

The Bidder must provide all software updates and new releases to the purchaser for a period of five (5) years following the acceptance, at no additional cost.

Note: The word "updates" means all enhancements, extensions or other modifications to the software. The word "releases" means enhancements or modifications to the software or new modules or supplementary modules that function in conjunction with the software, that represent the next generation of software, and which the Contractor has decided to make available to its customers usually for an additional charge.

3.5 Product(s) 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: _____

Literature attached: Yes (____) No (____)

3.6 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: _____

3.7 Contacts

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

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

- 3.2** The bidder must quote a firm lot price inclusive of supply, installation, training, software updates and manuals, DDP (Gatineau, Quebec), 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 Excise taxes must be included.

3.2.1 Exchange Rate Fluctuation

C3011T

Exchange Rate Fluctuation

2013-11-06

Section III: Certifications

Bidders must submit the certifications 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

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:

supporting
to their

The bidder is required to cross reference with the exact location in the documentation the mandatory technical criteria contained herein supporting technical documentation.

- b) Provision of Supporting Technical Documentation:

Supporting technical documentation for the stores offered shall 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.

Included: YES _____

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)

5. The manufacturer's conformance certificate must be supplied with the Apparatus.

4.2 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 Customs Duty (if applicable) and excluding the Goods and Services Tax (GST) or 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 on a DDP (Ottawa, Ontario) basis.
- c) for bid evaluation purposes only, the total bid price will be determined by adding the cost of the unit to the cost of all of the options to purchase.

4.2.1 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 option items) will be recommended for award of a contract.

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. 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 Declaration of Convicted Offences

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed Declaration Form, 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 provided will render the bid non-responsive.

5.2.1 Integrity Provisions List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

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 (http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml) available from Employment and Social Development Canada (ESDC) - Labour's website.

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

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

There is no security requirement applicable to this Contract.

6.2 Requirement

The Contractor must provide the items detailed under the Line Item Detail.

6.2.1 Optional Requirement - Radiant Panel Flame Spread Apparatus (up to quantity of one (1))

The Contractor grants to Canada the irrevocable option to purchase up to one (1) additional unit 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 at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.2.2 Optional Requirement - Maintenance (up to four (4) consecutive additional one (1) year periods)

The Contractor grants to Canada the irrevocable option to purchase up to four (4) additional, consecutive one (1) year periods 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 at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.2.3 Optional Requirement - Replacement Radiant Panels (per panel for up to two (2) additional one (1) year periods)

The Contractor grants to Canada the irrevocable option to purchase Replacement Radiant Panels for up to two (2) additional, consecutive one (1) year periods 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 at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.2.4 Optional Requirement - Software Upgrades (up to five (5) consecutive additional one (1) year periods)

The Contractor grants to Canada the irrevocable option to purchase up to five (5) additional, consecutive one (1) year periods 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 at any time before the expiry of the Contract by sending a written notice to the Contractor.

6.2.5 Manuals

As a minimum, one (1) complete set of operating, maintenance and troubleshooting manuals and media for the complete system as well as spare parts list in electronic format must be supplied with the Radiant Panel Flame Spread Apparatus.

6.2.6 Installation, Commissioning and Specification Testing

On-site installation and commissioning and specification testing must be carried out by a qualified service technician.

6.2.7 Training

A minimum of two (2) days of on-site user training must be provided for up to a maximum of five (5) users.

6.2.8 Service

Purchase of the Radiant Panel Flame Spread Apparatus and associated accessories must include: technical support; technical phone support; support via the Internet; and support via a fax-back document system.

6.2.9 Software Updates

The Bidder must provide all software updates and new releases to the purchaser for a period of five (5) years following the acceptance, at no additional cost.

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>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010A(2015-07-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

4002(2010-08-16) Supplemental General Conditions - Software Development or Modification Services, apply to and form part of the Contract.

4003(2010-08-16) Supplemental General Conditions - Licensed Software, apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before March 31, 2016.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Christina Martins
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Commercial and Consumer Products Directorate
Place du Portage III, 6A2
11 Laurier St. Gatineau, Quebec
K1A 0S5
Telephone: (819) 956-6911
Facsimile: (819) 956-3814
Christina.Martins@tpsgc-pwgsc.gc.ca

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

6.5.2 Technical Authority (TO BE COMPLETED AT TIME OF CONTRACT AWARD)

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 Procurement Authority (TO BE COMPLETED AT TIME OF CONTRACT AWARD)

The Procurement Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

The Procurement 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 Procurement Authority, however the Procurement 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.

6.5.4 Contractor's Representative (PLEASE FILL IN)

General Enquiries

Name: _____

Telephone No. _____

Facsimile No. _____

E-mail address: _____

Delivery Follow-up

Name: _____

Telephone No. _____

Facsimile No. _____

E-mail address: _____

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 lot price as specified in Line Item 1, DDP Delivered Duty Paid (Gatineau, Quebec) Incoterms 2000. Customs duties are included and Applicable Taxes extra, if applicable.

6.6.1.1 Optional Requirement - Radiant Panel Flame Spread Apparatus (up to quantity of one (1))

The bidder must quote a firm unit price, DDP, 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 Excise taxes must be included.

A firm unit price must be filled in. If the bidder fails to quote a firm unit price, the bidder will be considered non-compliant and no further consideration will be given.

6.6.1.2 Optional Requirement - Maintenance (up to four (4) consecutive additional one (1) year periods)

The bidder must quote a firm unit price, DDP, 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 Excise taxes must be included.

A firm unit price must be filled in. If the bidder fails to quote a firm unit price, the bidder will be considered non-compliant and no further consideration will be given.

6.6.1.3 Optional Requirement - Replacement Radiant Panels (per panel for up to two (2) additional one (1) year periods)

The bidder must quote a firm unit price, DDP, 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 Excise taxes must be included.

A firm unit price must be filled in. If the bidder fails to quote a firm unit price, the bidder will be considered non-compliant and no further consideration will be given.

6.6.1.4 Optional Requirement - Software Upgrades (up to five (5) consecutive additional one (1) year periods)

The bidder must quote a firm unit price, DDP, 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 Excise taxes must be included.

A firm unit price must be filled in. If the bidder fails to quote a firm unit price, the bidder will be considered non-compliant and no further consideration will be given.

6.6.2 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.

6.7 Invoicing Instructions

- a) 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.

FOR PROMPT PAYMENTS, ENSURE THE CONTRACT NO./P.O. NUMBER APPEARS ON ALL DOCUMENTATION.

- b) 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. The Contract serial number: W8486-162888 must appear on all invoices.
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

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.

6.8.2 SACC Manual Clauses

H1000C

Single Payment

08/05/12

6.9 Applicable Laws

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

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) 2010A(2015-07-03) General Conditions - Goods (Medium Complexity);
- (c) 4002(2010-08-16) Supplemental General Conditions - Software Development or Modification Services, apply to and form part of the Contract;
- (d) 4003(2010-08-16) Supplemental General Conditions - Licensed Software, apply to and form part of the Contract;
- (e) Annex A, Requirement;
- (f) Annex B, Requirement / Basis of Payment; and
- (g) the Contractor's bid dated _____ (*insert date of bid*)

6.11 Defence Contract

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

6.12 Shipping Instructions - Delivery at Destination

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

Delivered Duty Paid (DDP) (Gatineau, Quebec) 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.

6.13 SACC Manual clauses

Solicitation No. - N° de l'invitation

W8486-162888/A

Amd. No. - N° de la modif.

File No. - N° du dossier

pv941W8486-162888

Buyer ID - Id de l'acheteur

pv941

CCC No./N° CCC - FMS No/ N° VME

W8486-162888

B1501C	Electrical Equipment	2006-06-16
A9062C	Canadian Forces Site Regulations	2011-05-16
A2000C	Foreign Nationals (Canadian Contractor)	
2006-06-16		
OR		
A2001C	Foreign Nationals (Foreign Contractor)	2006-06-16

6.14 Inspection and Acceptance

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

ANNEX A REQUIREMENT RADIANT PANEL FLAME SPREAD APPARATUS

Background

The Radiant Panel Flame Spread Apparatus is required to carry out Spread of Flame analyses in accordance with ASTM E162-13 and ASTM D3675-14. The test evaluates the surface spread of flame characteristics of samples exposed to a graded radiant heat flux field. Average Flame Spread Factor, Average Heat of Sustained Burning, Average Flame Spread Index, Heat of ignition, Heat of sustained burning, time to ignition, temperature rise and flame extinguishment length. The data is computed by the instrumentation.

Typical materials analysed in accordance with ASTM E162-13 and ASTM D3675-14 are flexible polymeric cellular materials, closed cell foams, fiberglass and fibrous panels, filters, thermal acoustic barriers, mattresses, laminates, thermoplastic sheets, linings, wall coverings, upholstery fabrics, upholstery foams (core & barrier).

Vendors must cross reference the mandatory technical criteria in a concise format by using page, paragraph(s) & sub-paragraphs as applicable to their supporting technical documentation.

The FLAME SPREAD APPARATUS **must** meet all of the following requirements:

Specification Requirements:

1. The Radiant Panel must be equipped with a **venturi type aspirator** for mixing gas and air at approximately atmospheric pressure. Input gas must be methane.

Reference in Contractors Proposal:

2. The input gas used in the Radiant Panel must be methane.

Reference in Contractors Proposal:

3. The Radiant Panel must be equipped with a **filter, pressure regulator** and a **control/shutoff valve** for the gas supply.

Reference in Contractors Proposal:

4. The Radiant Panel must have an **electric spark ignite** that conforms to ASIM E162-13 with an automatic safety flame out detector.

Reference in Contractors Proposal:

5. The Apparatus must contain a **centrifugal blower**, or equivalent, capable of providing 1200 ft³/hr (9.4L/s) air at a pressure of 700 Pa.

Reference in Contractors Proposal:

6. The **Apparatus** must include **one calibrated pyrometer with mount support** to determine the surface temperature of the radiant panel.

Reference in Contractors Proposal: _____

7. The pyrometer must have a temperature range of at least 450 – 550°C and be able to view a circular area, 10 in. (254 mm) in diameter at a range of about 4 ft (1.2 m).

Reference in Contractors Proposal: _____

8. The **Apparatus** must include a **stainless steel stack** with the shape and dimensions stipulated in ASTM E162-13 and ASTM D3675-14. The stack must contain 8 porcelain insulated thermocouples and removable panel for easy cleaning of thermocouples. The 8 thermocouples must be chromel-alumel type K and must have disconnect plugs for easy replacement.

Reference in Contractors Proposal: _____

9. The Apparatus must include a calibrated **timer** that can read to 0.1 seconds.

Reference in Contractors Proposal: _____

10. The Apparatus must include one **ASTM D3675-14 compliant Pilot Burner** that is made from a porcelain tube 203-230 mm (8-9 in.) in length, nominally 6.3 mm (0.25 in.) in diameter, with two holes 1.5 mm (0.059 in.) in diameter equally spaced in the tube.

Reference in Contractors Proposal: _____

11. The **Apparatus** must include one **ASTM E162-13 compliant Pilot Burner** with stainless steel tubing approximately 203 to 229 mm (8 to 9 in) long with nominally 3.2 mm (0.125 in) inside diameter by nominally 4.8 mm (0.19 in) outside diameter.

Reference in Contractors Proposal: _____

12. The part of the burner that is exposed to radiant energy must be protected with a porcelain tube nominally 5.2 mm (0.20 in) inside diameter by nominally 7.14 mm (0.28 in) outside diameter.

Reference in Contractors Proposal: _____

13. The Apparatus must include a **methane Calibration Burner** with a gas flowmeter.

Reference in Contractors Proposal: _____

14. Four (4) stainless steel **Specimen Holders**, with observation marks every 75 mm (3"), must be included.

Reference in Contractors Proposal: _____

15. Four (4) high-density inorganic reinforced **Cement Boards** with dimensions of 150 x 460 x 25 mm (6 x 18 x 1.0 in.) must be included for use as specimen backing.

Reference in Contractors Proposal: _____

16. Four (4) **Millboards** of dimension 150 x 460 x 13 mm (6 x18 x 0.5 in) must be included for use as specimen backing.

Reference in Contractors Proposal: _____

17. Eight (8) **Specimen Spring Clamps** must be included to be used to hold specimens in the holders.

Reference in Contractors Proposal: _____

18. An **Air Mass Flow Meter** must be used to measure and control air flow.

Reference in Contractors Proposal: _____

19. The air measurement/control system must have quick connect couplings for ease of connection

Reference in Contractors Proposal: _____

20. A **Gas Mass Flow Meter** must be used to measure and control input gas flow.

Reference in Contractors Proposal: _____

21. The gas measurement/control system must have quick connect couplings for ease of connection

Reference in Contractors Proposal: _____

22. The flammable gas delivery lines must have **flashback arrestors**.

Reference in Contractors Proposal: _____

23. An **exhaust blower** that's capable of producing a velocity of 0.5m/s at the top of the stack with the radiant panel not operating must be included.

Reference in Contractors Proposal: _____

Mandatory Physical Requirements

1. The dimensions of the **Apparatus** & all components must be in compliance with the ASTM E162-13 & ASTM D3675-14.

Reference in Contractors Proposal: _____

2. The Apparatus must be mobile, on supporting lockable wheels.

Reference in Contractors Proposal: _____

3. System must operate using a **North American Standard 110 –120 VAC (+/- 10%), 1 Phase, 60 Hz electrical service**.

Reference in Contractors Proposal: _____

-
4. The **monitor** for the computer must be at least 17".

Reference in Contractors Proposal: _____

Mandatory Performance Requirements

1. The **Radiant Panel Flame Spread Test Apparatus** must be capable of conducting the ASTM E162-13 and ASTM D3675-14 test methods in full compliance.

Reference in Contractors Proposal: _____

2. The **Radiant Panel Flame Spread Test Apparatus** must have its own controller, complete with all the required hardware (keyboard, interface cards, cables, screen, printer & related).

Reference in Contractors Proposal: _____

3. The **Radiant Panel** must be capable of operating at a temperature up to 820°C.

Reference in Contractors Proposal: _____

4. The **Computer Data Acquisition System** must be capable of performing apparatus calibration, and collecting all necessary data as required by ASTM E162-13 and ASTM D3675-14.

Reference in Contractors Proposal: _____

5. The **Computer Data Acquisition System** must be capable of recording the temperature output from the thermopile.

Reference in Contractors Proposal: _____

6. The **Computer Data Acquisition System** must have an accuracy of 0.01% of the maximum temperature to be measured.

Reference in Contractors Proposal: _____

7. The system must be capable of recording data at least every 5 s for a minimum of one (1) hour.

Reference in Contractors Proposal: _____

8. The **Controller** must allow the full control of the settings & the operation of the system, the acquisition, storage / retrieval and treatment of experimental data.

Reference in Contractors Proposal: _____

9. The operating software must allow for data storage by the operators.

Reference in Contractors Proposal: _____

Mandatory Supportability Requirements

1. All **tools** required for the normal maintenance of the apparatus must be provided.

Reference in Contractors Proposal: _____

2. A **reference sample** required for the calibration of the apparatus must be provided.

Reference in Contractors Proposal: _____

3. All provided **proprietary software** must be of the most current version and must be capable of being installed, running and being updated offline

Reference in Contractors Proposal: _____

4. All proprietary software must be provided with a full end-user licence not limited in time and backup CD/DVD disk(s).

Reference in Contractors Proposal: _____

ANNEX B
REQUIREMENT / BASIS OF PAYMENT
RADIANT PANEL FLAME SPREAD APPARATUS

Department of National Defence has a requirement for the supply, installation, training, manuals and software updates for one (1) Radiant panel flame spread apparatus. An irrevocable option to include the following has also been included in the contract:

1. **Radiant Panel Flame Spread Apparatus:** Up to (1) additional unit within twenty-four (24) months of contract award.
2. **Maintenance:** Up to four (4) consecutive additional one (1) year within 36 months of contract award.
3. **Replacement Radiant Panels:** Per panel for up to two (2) additional one (1) year periods within twenty-four (24) months of contract award.
4. **Software upgrades:** Up to five (5) consecutive additional one (1) year periods within sixty (60) months of contract award.

DESCRIPTION	QTY	1st Option Year (up to March 31, 2017)	2nd Option Year (up to March 31, 2018)	3rd Option Year (up to March 31, 2019)	4th Option Year (up to March 31, 2020)	5th Option Year (up to March 31, 2021)
Radiant Panel Flame Spread Apparatus	1	\$ _____	\$ _____			
Maintenance	Per year	\$ _____	\$ _____	\$ _____	\$ _____	
Replacement Radiant Panels	1	\$ _____	\$ _____			
Software Upgrades	Per year	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____