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K1A 0S5

Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

Comments - Commentaires

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

Munitions Division (BK) / Division des munitions (BK)

11 Laurier St./11, rue Laurier

8C2, Place du Portage, Phase III

Gatineau

Québec

K1A 0S5

Title - Sujet Material Mutilation Capability	
Solicitation No. - N° de l'invitation W8476-185739/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 6000410977	Date 2018-03-29
GETS Reference No. - N° de référence de SEAG PW-\$\$BK-383-26742	
File No. - N° de dossier 383bk.W8476-185739	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-05-25	
Time Zone Fuseau horaire Eastern Daylight Saving Time EDT	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Langdon (bk div), Darren	Buyer Id - Id de l'acheteur 383bk
Telephone No. - N° de téléphone (819) 939-0951 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

The purpose of Amendment 001 is to extend the closing date, modify required certification, add a clause for Government Furnished Information, amend Annex B Basis of Payment and answer questions received.

1. Modify the Closing Date

On the front page of the solicitation, please note that the section entitled "Solicitation Closes - L'invitation prend fin" is amended to:

at – à 02:00 PM
on – le 2018-05-25

2. Modify Certifications

At Part 5 - Certifications and Additional Information

DELETE: 5.2.3 in its entirety
INSERT:

5.2.3 Welding Certification

Any welding performed at the destination (CFAD Dundurn) must be performed by a welder certified by the Canadian Welding Bureau (CWB) for the following Canadian Standards Association (CSA) standards:

- a. CSA W47.1 (current version), Certification of Companies for Fusion Welding of Steel Division 2;
- b. CSA W47.2 (current version), Certification of Companies for Fusion Welding of Aluminum Division 2.

Before contract award and within fourteen (14) calendar days of the written request by the Contracting Authority, the successful Bidder must submit evidence demonstrating its and its subcontractor's certification by CWB in accordance with the CSA welding standards.

At 6.8.2 Welding Certification

DELETE: 6.8.2 in its entirety
INSERT:

6.8.2 Welding Certification

The Contractor must ensure that welding completed at CFAD Dundurn is performed by a welder certified by the Canadian Welding Bureau (CWB) for the following Canadian Standards Association (CSA) standard(s):

- a. CSA W47.1 (current version), Certification of Companies for Fusion Welding of Steel Division 2.
- b. CSA W47.2 (current version), Certification of Companies for Fusion Welding of Aluminum Division 2.

In addition, welding must be done in accordance with the requirements of the applicable drawings and specifications.

Before the commencement of any fabrication work, and upon request from the Technical Authority, the Contractor must provide approved welding procedures and/or a list of welding personnel they intend to use in the performance of the Work at CFAD Dundurn. The list must identify the CWB welding procedure qualifications attained by each of the personnel listed and must be accompanied by a copy of each person's current CWB certification to CSA welding standards.

3. Inclusion of Government Furnished Information

At Part 2 – Bidders Instructions

INSERT: New section

2.5 Government Furnished Information (GFI)

The following Government Furnished Information is available for Bidders to help in their bid proposal:

- a. C-01-100-100/AG-005 - ACCEPTANCE OF COMMERCIAL AND FOREIGN GOVERNMENT PUBLICATIONS AS ADOPTED PUBLICATIONS
- b. D-01-100-200/SF-000 - PREPARATION OF EQUIPMENT DATA SUMMARIES
- c. D-01-100-202/SF-000 - PREPARATION OF EQUIPMENT DESCRIPTIONS
- d. D-01-100-203/SF-000 – PREPARATION OF OPERATING INSTRUCTIONS
- e. D-01-100-204/SF-000 - PREPARATION OF PREVENTIVE MAINTENANCE INSTRUCTIONS
- f. D-01-100-205/SF-000 - PREPARATION OF CORRECTIVE MAINTENANCE INSTRUCTION
- g. D-01-100-214/SF-000 - PREPARATION OF PROVISIONING DOCUMENTATION FOR CANADIAN FORCES EQUIPMENT
- h. D-01-300-100/SG-000 – TECHNICAL CONTENT
- i. D-02-002-001/SG-001 – IDENTIFICATION MARKING OF CANADIAN MILITARY PROPERTY
- j. D-LM-008-036/SF-000 - DEPARTMENT OF NATIONAL DEFENCE MINIMUM REQUIREMENTS FOR MANUFACTURER'S STANDARD PACK

To request GFI, Requestors must submit a written request to the Contracting Authority identified in section 6.5. The written request must contain the mailing address to which the Data is to be sent.

4. Modification of Annex B – Basis of Payment

At Annex B

DELETE: Annex B in its entirety

INSERT: New Annex B included below.

5. Questions and Answers

No.	Question	Answer
1.	Will there be a possibility to inspect the proposed site during the Solicitation time?	There will not be a Site visit of Bidders Conference as part of this solicitation process.
2.	In Annex A, 1.2.2 mentions 2.54mm disks but this size of item is not referenced anywhere else in the RFP. Please clarify what material these are and what final size is required.	This is a generic statement simply to explain the background of the project. There is no specific requirement in the Annex A, Appendix 1 Specification that has to be met in relation to the 2.54mm disks. This was only meant to illustrate the range of item sizes that the mutilation equipment should be able to process.
3.	In Annex A, Appendix 1, Section 3.2.2.1, please specify what is meant by ceramics? Are these items "armour"? If so, please provide additional information.	Some components of ammunition may consist of ceramic materials, such as nozzles of missiles. These are inert materials and no, they are not "armoured" items.

No.	Question	Answer
4.	In Annex A, Appendix 1, Section 3.2.2.1, please specify what is meant by carbon fibres? Are these items "armour"? If so, please provide additional information.	Some components of ammunition may consist of carbon fiber composites (carbon fiber-epoxy, for instance), such as the cylindrical tube for shoulder mounted anti-tank weapons. These are inert materials and are not "armoured" items. Mutilation of "fiber" materials, will only occur occasionally. Same goes for other general materials, such as wood and fabric materials.
5.	In Annex A, Appendix 1, Section 3.2.2.1, what is the expected output receptacle?	The "output receptacle" or the process end container for the final mutilated material is expected to be proposed by the bidders. It is expected that a triwall or other standard container capable of being handled by standard material handling equipment will be sufficient.
6.	In Annex A, Appendix 1, Section 3.2.3.1, please specify the type of plastic referred to as 1 meter squared by 2.5cm thick.	The mutilation capability must mutilate "All types of plastics", however, the 1 meter squared by 2.5cm thick plastic sheets can be polypropylene corrugated plastic sheets or ethylene-vinyl-acetate foam sheets for packaging.
7.	In Annex A, Appendix 1, Section 3.2.3.1, how are these sheets stored and how will they be delivered to the machinery?	The plastic sheets are organized and stored on standard wooden pallets or in recycling containers. The sheets will be moved/delivered by means of a forklift.
8.	In Annex A, Appendix 1, Section 3.2.3.1, please specify the approximate volume of these sheets relative to the closed end cylinders.	The relative volume of the large 1 meter square plastic sheets to the closed-end plastic cylinders is roughly equal. The square sheets and closed-end cylinders represent the upper dimensional limits for items that the actual shredding equipment needs to be able to process without prior size-reduction. For even larger items, the mutilation solution proposed can include mechanical shears (such as an alligator shear, as suggested in section 3.1.1.) for reducing the size of the item prior to introducing into the shredder/granulator.
9.	In Annex A, Appendix 1, Section 3.2.3.1, how are the plastic cylinders stored and how will they be delivered to the machinery (palletized in organized fashion, triwalls)?	The plastic cylinders are stored in recycling containers and moved/delivered by means of a forklift.
10.	In Annex A, Appendix 1, Section 3.2.3.1, what % of the fragments can exceed 3/8" (it is typical for a final size specification to allow a certain amount, usually up to 20%, over the final size)?	Up to 20% of the fragments can exceed 3/8" and need not be repassed for size reduction.
11.	In Annex A, Appendix 1, Section 3.2.3.1, what is the expected output receptacle?	The "output receptacle" or the process end container for the final mutilated material is expected to be proposed by the bidders. It is expected that a triwall or other standard container capable of being handled by standard material handling equipment will be sufficient.
12.	In Annex A, Appendix 1, Section 3.2.4.1, how are these brass materials stored and how will they be delivered to the machinery (palletized in organized fashion, triwalls)?	The medium caliber (20 mm to 105 mm) brass cartridges, like most other metallic material requiring mutilation is stored loosely in triwalls. Large caliber brass cartridges are stored on pallets or in recycling containers. All items will be moved/delivered by means of a forklift. The input hopper or feed system should be capable of receiving loose metallic material in triwalls.

No.	Question	Answer
13.	In Annex A, Appendix 1, Section 3.2.4.1, what % of the fragments can exceed 3/4" (it is typical for a final size specification to allow a certain amount, usually up to 20%, over the final size)?	Up to 20% of the fragments can exceed 3/4" and need not be repassed for size reduction.
14.	In Annex A, Appendix 1, Section 3.2.4.1, what is the expected output receptacle?	The "output receptacle" or the process end container for the final mutilated material is expected to be proposed by the bidders. It is expected that a triwall or other standard container capable of being handled by standard material handling equipment will be sufficient.
15.	In Annex A, Appendix 1, Section 3.2.5.1, please specify the target residual dimension for the PA37A1 M119A2 155mm red bag charge cylinder.	The PA37A1 M119A2 155mm red bag steel containers must be size reduced to fragments no larger than 3/4".
16.	In Annex A, Appendix 1, Section 3.2.5.1, how are these steel materials stored and how will they be delivered to the machinery (palletized in organizes fashion, triwalls)?	The steel materials are stored on pallets or in recycling containers and moved/delivered by means of a forklift.
17.	In Annex A, Appendix 1, Section 3.2.5.1, what % of the fragments can exceed 3/4" (it is typical for a final size specification to allow a certain amount, usually up to 20%, over the final size)?	Up to 20% of the fragments can exceed 3/4" and need not be repassed for size reduction.
18.	In Annex A, Appendix 1, Section 3.2.5.1, what is the expected output receptacle?	The "output receptacle" or the process end container for the final mutilated material is expected to be proposed by the bidders. It is expected that a triwall or other standard container capable of being handled by standard material handling equipment will be sufficient.
19.	In Annex A, Appendix 1, Section 3.3.1, please confirm the throughput specification of 5MT per hour based is to be measured using a 3/8" particle size? At this throughput, 40,000 Kg of material, for example, would be processed in approximately 8 hours.	Yes for plastics. For plastics, the throughput specification of 5 metric tonnes per hour is to be measured using a 3/8" particle size. For general materials under Section 3.2.2, the throughput specification of 5 metric tonnes per hour is to be measured using a 2" particle size.
20.	In Annex A, Appendix 1, Section 3.3.2, please confirm the throughput requirements for the aluminum, brass and copper munitions described in Section 3.2.4.	50 kilograms per hour is the throughput required for all aluminum, brass and copper items described in Section 3.2.4, as well as all steel items described in Section 3.2.5.

No.	Question	Answer
21.	<p>The Request for Proposal refers to a large number of DND Specification Documents including but not limited to the following:</p> <ul style="list-style-type: none"> a. D-01-300-100/SG-000 – “Standard for Specification Preparation - Technical Content”. b. D-01-300-100/SG-000 – “Standard for Specification Preparation - Technical Content” c. D-01-100-214/SF-000, Preparation of Provisioning Documentation d. C-01-100-100/AG-005, Acceptance of Commercial and Foreign Government Publications as Adopted Publications e. D-01-100-200/SF-000, Specification for Preparation of Equipment Data Summaries; f. D-01-100-202/SF-000, Specification for Preparation of Equipment Descriptions; g. D-01-100-203/SF-000, Specification for Preparation of Operating Instructions; h. D-01-100-204/SF-000, Specification for Preparation of Preventive Maintenance, and i. D-01-100-205/SF-000, Specification for Preparation of Corrective Maintenance Instruction. j. D-02-002-001/SG-001, Identification Marking of Canadian Military Property. k. C-01-100-100/AG-005, Acceptance of Commercial and Foreign Government Publications as Adopted Publications <p>Please provide the documents these documents.</p>	<p>These documents are now available for Bidders to request as per section 2 above.</p>
22.	<p>In Part 3 – Bid Preparation Instructions, SACC Manual Clause C3011T is incorporated. Please consider amending this clause to C3010T and C3015C due to the length of this contract and current global exchange rate volatility.</p>	<p>As this contract is only for the provision of one system and not an extended quantity or time, Canada will keep SACC Manual Clause C3011T.</p>
23.	<p>In Part 5 – Certifications and Additional Information, 5.2.3 requires welding certification. Please consider removal or amendment of this clause.</p>	<p>5.2.3 Welding Certification was intended to ensure that any welding done as part of the installation process at the destination was certified. 5.2.3 and 6.8.2 are modified as per 1. Above.</p>
24.	<p>Part 6 – Resulting Contract Clauses, 6.14.1 requires packaging to be done in accordance with Canadian Forces Packaging Specification D-LM-008-036/SF-000. Please provide document D-LM-008-036/SF-000.</p>	<p>This document is now available for Bidders to request as per section 2 above.</p>
25.	<p>With no identified building layout it is difficult to estimate the cost of supplying the necessary resources to the machine/s. Is it therefore correct to assume that DND will provide the required resources (electrical, air, etc) to the machines at DND cost?</p>	<p>DND will provide the required infrastructure resources (power, air, water, etc.) to the mutilation equipment at no cost to the winning Contractor. Final design of the end location will be completed to meet the winning Contractor's equipment specifications.</p>
26.	<p>At Annex B, Basis of Payment, does 1.2.1a include the amount under 1.3.1?</p>	<p>The amount at 1.2.1 a. is the total amount to supply the equipment to CFAD Dundurn but does NOT include the cost of the initial spares kit. The total cost will be the combination of 1.2.1a. and 1.3.1. Annex B 1.2.1 is modified as per 2. above.</p>

ANNEX B - BASIS OF PAYMENT



NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods. Disclosure notices and handling instructions originally received with the document must continue to apply.

AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées. Les avis de divulgation et les instructions de manutention reçues originalement doivent continuer de s'appliquer.

1. Basis of Payment

1.1 The Contractor shall be paid firm prices, in Canadian dollars, delivered duty paid (DDP) to the destinations identified in the SOW (FOB DDP or FCA DDP), GST/HST extra, Custom Duties and Excise Taxes included, where applicable. Prices include travel and living expenses.

1.2 Mutilation Capability System Acquisition

1.2.1 A firm lot price must be paid for the supply, installation, integration, and testing of one (1) Mutilation Capability System, including special test and support equipment. All associated equipment, publications, services and training as described in Annex "A", excluding delivery of the actual parts described Initial Parts Kit described in 6.4.1 of Annex A, are included in this firm lot price.

- a. For the one (1) Mutilation Capability System, a firm lot price of \$ _____.
(Bidder to Populate)

1.2.2 This firm lot price from Section 1.2.1 will be broken down and payable in accordance with Table 2-1: Mutilation System Milestone Payments.

Table 2-1: Mutilation System Milestone Payments

Item	Description	Schedule	Percentage of Firm Lot Price	Percentage Value (Bidder to Populate)
001	<p>Milestone 1</p> <p>On completion and acceptance by the DND Technical Authority (TA) of the system requirements at the Kick-Off Meeting.</p> <p>On delivery and receipt by the DND TA of the initial DRAFT documents:</p> <ul style="list-style-type: none"> a. Master Project Schedule (MPS) and Work Breakdown Structure (DID# PM-002) IAW CDRL 002; b. System Specifications (DID# SE-101) IAW CDRL 101 c. Test and Evaluation Master Plan (TEMP) (DID# SE-105) IAW CDRL 105 <p>On delivery and receipt of the final documents:</p> <ul style="list-style-type: none"> a. Master Project Schedule (MPS) and Work Breakdown Structure (DID# PM-002) IAW CDRL 002; b. System Specifications (DND# SE-101) IAW CDRL 101 <p>On completion of the following items (as required):</p> <ul style="list-style-type: none"> a. Meeting Agenda (DID# PM-003) IAW CRDL 003 b. Meeting Minutes (DID# PM-004) IAW CDRL 004 c. Action Item Report (AIR) (DID #PM-005) IAW CDRL 005 	Contract Award + 30 Calendar Days	5%	\$_____.

Item	Description	Schedule	Percentage of Firm Lot Price	Percentage Value (Bidder to Populate)
002	<p>Milestone 2</p> <p>On completion and acceptance by the DND TA of the Critical Design Review.</p> <p>On delivery and receipt of the initial DRAFT documents:</p> <ul style="list-style-type: none"> a. Equipment Specifications (DID# SE-102) IAW CDRL 102 b. Maintenance Plan (DID# ILS-209) IAW CDRL 209 c. Test Procedures (DID# SE-106) IAW CDRL 106 d. Equipment Environmental Assessment (EEA) (DID# PM-007) IAW CDRL 007 <p>On delivery and receipt of the final documents:</p> <ul style="list-style-type: none"> a. Test and Evaluation Master Plan (TEMP) (DID# SE-105) IAW CDRL 105 <p>On completion of the following items (as required):</p> <ul style="list-style-type: none"> d. Meeting Agenda (DID# PM-003) IAW CRDL 003 e. Meeting Minutes (DID# PM-004) IAW CDRL 004 f. Action Item Report (AIR) (DID #PM-005) IAW CDRL 005 g. Engineering Change Proposals (ECP) (DID# SE-110 IAW CDRL 110 h. Equipment Advisories (DID# ILS-212 IAW CDRL 212 	Contract Award + 4 months	20 %	\$_____.
003	<p>Milestone 3</p> <p>On completion and acceptance by the DND TA of the manufacturing of the equipment/system and Qualification Testing at contractor facility.</p> <p>On delivery and receipt of the initial DRAFT documents:</p> <ul style="list-style-type: none"> a. Recommended Spare Parts List (DID# ILS-202) IAW CDRL 202 <p>On delivery and receipt of the final documents:</p> <ul style="list-style-type: none"> b. Test Procedures (DID# SE-106) IAW CDRL 106 c. Equipment Specifications (DID# SE-102) IAW CDRL 102 d. Maintenance Plan (DID# ILS-209) IAW CDRL 209 e. Test Report(s) (DND# SE-108) IAW CDRL 108 f. Equipment Environmental Assessment (EEA) (DID# PM-007) IAW CDRL 007 <p>On completion of the following items (as required):</p> <ul style="list-style-type: none"> a. Meeting Agenda (DID# PM-003) IAW CRDL 003 b. Meeting Minutes (DID# PM-004) IAW CDRL 004 c. Action Item Report (AIR) (DID #PM-005) IAW CDRL 005 d. Engineering Change Proposals (ECP) (DID# SE-110 IAW CDRL 110 e. Equipment Advisories (DID# ILS-212 IAW CDRL 212 	Contract Award + 6 months	40%	\$_____.

Item	Description	Schedule	Percentage of Firm Lot Price	Percentage Value (Bidder to Populate)
004	<p>Milestone 4</p> <p>On completion and acceptance by the DND TA of Installation, Set-to-Work and Successful Completion of Installation Tests and Availability Demonstration IAW SOW 3.4.1.2 Schedule, SOW 3.4.1.3 Location.</p> <p>On delivery and receipt of the initial DRAFT documents:</p> <ul style="list-style-type: none">a. Packaging Data ((DID# ILS-206) IAW CDRL 206b. Equipment Identification Plate Data (DID# ILS-208) IAW CDRL 208c. Maintenance Manual (DID# ILS-211) IAW CDRL 211d. User Manual (DID# ILS-213) IAW CDRL 213e. Training Material (DID# ILS-216) IAW CDRL 216 <p>On delivery and receipt of the final documents:</p> <ul style="list-style-type: none">a. Recommended Spare Parts List (DID# ILS-202) IAW CDRL 202 <p>On completion of the following items (as required):</p> <ul style="list-style-type: none">a. Meeting Agenda (DID# PM-003) IAW CRDL 003b. Meeting Minutes (DID# PM-004) IAW CDRL 004c. Action Item Report (AIR) (DID #PM-005) IAW CDRL 005d. Engineering Change Proposals (ECP) (DID# SE-110 IAW CDRL 110e. Equipment Advisories (DID# ILS-212 IAW CDRL 212	Contract Award + 11 months	20%	\$_____.
005	<p>Milestone 5</p> <p>On completion and acceptance by the DND TA of operator training IAW Training, SOW 6.5.</p> <p>On delivery and receipt of the final documents:</p> <ul style="list-style-type: none">a. Packaging Data ((DID# ILS-206) IAW CDRL 206b. Equipment Identification Plate Data (DID# ILS-208) IAW CDRL 208c. Maintenance Manual (DID# ILS-211) IAW CDRL 211d. User Manual (DID# ILS-213) IAW CDRL 213e. Training Material (DID# ILS-216) IAW CDRL 216f. Final Acceptance Test Report (DND# SE-108) IAW CDRL 108	Contract Award + 12 months	15%	\$_____.

1.3 Initial Parts Kit Acquisition

1.3.1 For the delivery and acceptance of the actual parts described in the Initial Parts Kit List as defined in Annex "A" 6.4, the Contractor will be paid a firm lot price of \$_____.
(Bidder to Populate)