



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

**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

Electrical & Electronics Products Division

L'Esplanade Laurier

East Tower, 4th floor,

Ottawa

Ontario

K1A 0S5

Title - Sujet Industrial Clothing Shredder Déchiqueteuse Industrielle	
Solicitation No. - N° de l'invitation T8518-210041/A	Amendment No. - N° modif. 004
Client Reference No. - N° de référence du client T8518-210041	Date 2021-08-17
GETS Reference No. - N° de référence de SEAG PW-\$\$HN-465-80182	
File No. - N° de dossier hn465.T8518-210041	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Eastern Daylight Saving Time EDT on - le 2021-09-01 Heure Avancée de l'Est HAE	
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: Nadeau, Alexandra	Buyer Id - Id de l'acheteur hn465
Telephone No. - N° de téléphone (613) 296-9279 ()	FAX No. - N° de FAX (819) 953-4944
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

This amendment 004 is being raised to address the following:

1. To address questions submitted by potential bidders.
 2. To amend Annex A – Statement of Requirement.
 3. To amend Annex C – Mandatory Technical Criteria.
 4. To extend the closing date.
-

1. Questions and Answers. All questions appear in their original format and language.

Question 1: Mandatory Requirement - 1.2 Minimum 30 Knives - This specification is in conflict with the minimum shred size of 1" width and the chamber width of 12" as well as the throughput requirement of 1000 lb/hr as smaller knives will slow the throughput, particularly with textiles. Question: Can the 30 knife minimum be removed to eliminate these conflicts?

Answer 1: Yes, mandatory requirement will be removed.

Question 2: Mandatory Requirement 3.1 - Minimum 220 V, Maximum 575 V. - Question - Is there a preferred voltage as voltage impacts cost?

Answer 2: There is no preferred voltage. Both options are available to meet the requirement

Question 3: Mandatory Requirement 3.4 – 30 hp Motor - This specification is specific to certain brands of shredders and is inherent in a design of high horsepower, low torque. Textile shredding requires extremely high torque, not horsepower. Our shredders use much lower horsepower and specialized gear drives to provide the high torque requirements. This results in lower power consumption and improved performance. Our units are used globally for textile shredding. Question: Can you remove this requirement as it is specific to certain shredder design approaches?

Answer 3: Yes, the mandatory requirement is removed for 30 hp motor and replaced by a requirement of sufficient horsepower and torque to shred the stated clothing and equipment identified by Canada at a rate of 1,000 lb per hour with the minimum shred size of 1" width and the chamber width of 12".

Question 4: Amd 002(Amendment 002); 1000 lb/hr shredding requirement - Question: Is this now a mandatory requirement?

Answer 4: Yes, this has been defined by Canada as the minimum mandatory requirement

Question 5: Amd 002; 1000 lb/hr shredding requirement - Question: Will the machine be tested to insure it meets this requirement? What if it does not pass? If the answer is yes to the question above regarding testing, specifically what material will be used?

Answer 5: No. The bidders must show, in their Technical Bid, that they meet this criteria. Canada defined the requirement based on the hoppers (Canada owned) used to collect and sort the items to be shredded and how each of those commodities would be fed through the shredder. It is understood that the hoppers are rated for a maximum of 2,000 lb, but this does not mean they would need to be filled to capacity before being fed through the shredder. The minimum requirement remains at 1,000 lb per hour.

Question 6: Please define how the customer will collect shredded material. If into a bin or gaylor, it is required to know the dimensions of the container to provide clearance. It is also required to size the infeed conveyor and to provide the proper safety protection

Answer 6: Canada has existing hoppers that can accommodate a maximum of 2,000 lb of material (32" L x 30" W x 34" H). These are used to sort material for shredding: 1) clothing; 2) plastics (hard hats, flight helmets); 3) flotation gear; and 4) Other (back packs, safety shoes, ear defenders, etc)

Question 7: Will any of the safety gear contain metal (e.g. safety shoes and boots) and if so, what metal and how thick?

Answer 7: Yes. Metals may include, but are not limited to: flotation gear may have metal buckles (D rings), safety shoes with CSA certified toes (2.5 mm), jackets with zippers, clothing with metal buttons on pockets, Flight Helmets with wire boom microphones, hearing protection with wire head bands, etc.

Question 8: What is the maximum weight the customer's forklift can handle and at what distance from the mast? Is the forklift and operator available for positioning and assembling the equipment or do we need to provide a rigger?

Answer 8: Maximum lift of Canada's forklift is 2,800 lb at ground level. Canada will provide a forklift and operator, as needed.

Question 9: According to the tender requirements, the shredder must be capable of shredding Flight Helmets. Could you please be more specific about material of flight helmets? Are they made of iron and metal?

Answer 9: Flight helmets contain flexible wire electret boom microphones, active hearing protection headsets(leather ear pads) and clear and sun visors that slide up and down on a selecting slider. They also have a leather chinstrap with a metal snap buckle. They incorporate a ratchet wheel to adjust nape tension for stability. They also have a coiled or straight communications cord with either single or dual plug for connection to aircraft communications equipment. The helmet itself is similar in construction to a motorcycle helmet (outer hard shell made of plastic/fiberglass with foam padding inside) and usually painted white or yellow

Question 10: About section "3.8 CSA Certified Electrical Panel" i wanted to request you to accept CE & ISO9001 certified as well.

Answer 10: Canada will accept Canadian Standards Association (CSA), Underwriters Laboratories (UL), Underwriters Laboratories of Canada (ULC) and European Union (CE) certification for the electrical panel

Question 11: Will the client accept ULc, rated and CE panel which is equivalent to CSA?

Answer 11: Canada will accept Canadian Standards Association (CSA), Underwriters Laboratories (UL), Underwriters Laboratories of Canada (ULC) and European Union (CE) certification for the electrical panel

Question 12: Is that possible to extend closing date about 1 week please?

Answer 12: an extension has been approved and applied in this amendment.

2. At page 15 of 21 of the Solicitation; Annex A – Statement of Requirement

Delete: Annex A in its entirety

Insert: Attachment 1: Annex A - Statement of Requirement (Pages 4-7 of this Amendment 004).

3. At page 20 of 21 of the Solicitation; Annex C - Mandatory Technical Criteria

Delete: Annex C in its entirety

Insert: Attachment 2: Annex C - Mandatory Technical Criteria. (Pages 8-9 of this Amendment 004).

4. The solicitation has been extended until 2:00pm EDT September 1st 2021.

ALL REMAINING TERMS AND CONDITIONS ARE UNCHANGED

ATTACHMENT 1

ANNEX A – STATEMENT OF REQUIREMENT

1. **OBJECTIVE:**

Transport Canada requires an industrial shredder which is capable of shredding, including but not limited to the following: clothing, flotation equipment, safety hard hats and specialized equipment, such as leather boots, equipment bags, and safety glasses.

2. **SCOPE OF WORK:**

The Contractor must supply, deliver, and install an industrial shredder, excluding electrical connection to the unit, which will be handled separately. The Contractor must also provide training for the industrial shredder to a maximum of six Transport Canada personnel.

3. **REQUIREMENT:**

One industrial shredder that meets the following specifications:

- a. The shredder must be capable of shredding these types of material, including but not limited to: clothing textiles, leather, plastic, rubber, synthetics, small metallics (grommets, zippers, etc.), etc

Examples:

- Clothing textiles (including some small metallic and synthetics):
 - Pants
 - Shirts
 - Winter Jackets
 - Parkas
 - Safety Vests
 - Flight Helmets
 - Baseball caps
 - Toques
 - Tilley Hats
 - Ear Muffs
 - Equipment Bags
 - Flame retardant clothing, such as coveralls, both insulated and non-insulated
- Clothing textiles and synthetics:
 - Flotation equipment
 - Life Jackets
 - Survival Suits
 - Respirators (Silicone)

- **Plastics:**
 - Safety Hard Hats
 - Safety Glasses
- **Rubber and Leather**
 - **Specialized Equipment:**
 - Baffin Boots
 - Leather Boots
 - Leather Belts
 - Web Belts
 - Rain Suits

b. Material:

- Some material may contain metal including flotation gear with D-ring buckles, safety shoes with CSA certified toes, flight helmets with wire boom mics, jackets with metal zippers, etc.
- Specifically, flight helmets contain flexible wire electret boom microphones, active hearing protection headsets(leather ear pads) and clear and sun visors that slide up and down on a selecting slider. They also have a leather chinstrap with a metal snap buckle. They incorporate a ratchet wheel to adjust nape tension for stability. They also have a coiled or straight communications cord with either single or dual plug for connection to aircraft communications equipment. The helmet itself is similar in construction to a motorcycle helmet (outer hard shell made of plastic/fiberglass with foam padding inside) and usually painted white or yellow.

c. Frequency of use:

- The industrial shredder must be capable of running continuously for a minimum of at least 7.5 hours duration per use. Expected usage frequency is at least once a month.

d. Feed type:

- Items to be shredded would be fed one at a time via a feed conveyor.
- The unit will be installed in the Transport Canada warehouse, on a concrete floor with 20 foot high ceiling.

e. Equipment specifications:

- Equipment will have minimum standards of:
 - a 12" by 20" cutting chamber or greater;
 - knives made of heat-treated alloy steel with cleaning fingers;
 - one or two rotating shafts capable of providing the throughput as indicated;
 - a semi-enclosed hopper (with a minimum 18" x 18" opening and 40" high);
 - discharge chute;

- minimum 220V, maximum 575V;
 - maximum 5,000 A SCCR, electric drive, dual shaft;
 - gear reduced motor;
 - keyed 'power' switch;
 - HMI touch screen operation;
 - run time hour meter; and
 - a CE & ISO9001 certified electric panel or a ULc & CE rated equivalent.
- The proposed shredder must fit within an indoor 15' x 15' x 15' space.

TASKS:

The Contractor must do the following tasks:

1. The Contractor to contact the Technical Authority to visit the facility to determine location for installation and any specific needs. The proposed location for the shredder exceeds 15' x 15' x 15'. A location is known within the warehouse and TC seeks concurrence as the best location.
2. The Contractor to provide Technical Authority electrical connection requirements for the unit.
3. The Contractor to supply and deliver the industrial shredder.
4. The Contractor to install the industrial shredder.
5. Once unit has been installed, the Contractor is to train up to 6 Transport Canada staff at Transport Canada's facility within two weeks of installation. All proper safety COVID protocols in place at the time of training are to be followed.

4. PRE AND POST SHRED MATERIAL STORAGE AND COMPOSITION:

Canada has existing hoppers (32"L x 30"W x 34"H) that can accommodate a maximum of 2,000 lbs. of pre or post shred material.

These hoppers are used to sort material for shredding including: 1) clothing; 2) plastics (hard hats, flight helmets, etc.); 3) flotation gear; and 4) other materials (back packs, safety shoes, ear defenders, etc.).

Shredding will be based upon the above noted classifications (clothing, plastics, etc.) and will be stored separately, pre and post shred accordingly.

5. SECURITY REQUIREMENTS:

There are no security requirements.

On-site requirements:

For installation by the Contractor at Transport Canada's location, the Contractor will be required to obtain a visitor pass by providing some form of government ID with a picture, such as a Driver's Licence. The building pass will state an escort is required and

Transport Canada (or TA) will ensure someone is able to be their escort. When they leave Transport Canada's building, they turn over their building pass and get back the ID they provided.

For installation at Transport Canada's location, installers must wear CSA approved footwear in the warehouse facility. Based on building health protocols and procedures during COVID-19, installers will need to wear appropriate PPE (e.g. face covering) and have temperature checks upon entering facility.

6. TRAINING AND TECHNICAL SUPPORT:

Contractor must provide a one-time training of a maximum of 6 Transport Canada Operational Support Services (OSS) staff at the installation site, 2655 Lancaster Avenue Ottawa ON, in English. Training manuals will be supplied in English in both print and PDF. Training must include a demonstration of the hardware and software including calibration and routine maintenance as applicable.

Contractor must provide technical support for 1-year after installation via telephone and/or email.

Contractor must provide User Manuals in English and French, both paper and PDF versions.

7. DELIVERY:

Delivery of the equipment will be to the following address:

Transport Canada
2655 Lancaster Road
Ottawa, ON K1B 4L5

8. SUPPORT BY CANADA:

Transport Canada will provide access to the warehouse facility for installation. Transport Canada also has a forklift and operator available to off load any deliveries. Contractor to provide weight limits to ensure forklift is compatible.

The maximum lift of Canada's forklift is 2,800 lbs. at ground level. Canada will supply a forklift and operator as required during installation.

Electrical connection to the shredder will be done by Transport Canada. The Contractor must provide electrical connection requirements for the unit.

9. TIMEFRAME AND DELIVERY DATES:

Transport Canada requests the unit to be installed and functional by no later than December 3rd, 2021.

ATTACHMENT 2

ANNEX C – MANDATORY TECHNICAL CRITERIA

In their bid submission, Bidders must demonstrate how they meet all requirements detailed in the Requirement at Annex “A” and address clearly and in sufficient depth all points that are subject to evaluation criteria listed below, against which the bid will be evaluated. Bidders should demonstrate their capability and describe their approach in a thorough, concise and clear manner for carrying out the work.

The Bidder must provide proof and/or verification of the Mandatory Evaluation Criteria herein through supporting documentation, as applicable. Bidders are required to provide a page reference number by each compliant requirement that refers to the supplied literature; if left blank, it may be evaluated as not met. It is the Bidder's responsibility to ensure that the submitted supporting documentation provides detail to prove that the proposed good(s) meet the requirements of the mandatory criteria.

If published supporting documents or certifications are not available, Bidders should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.

Canada will not evaluate information such as references to website addresses where additional information can be found, or technical manuals or brochures not submitted with the bid. To be considered responsive, proposals must meet all of the mandatory criteria specified in the solicitation document.

Item	Mandatory Criteria	Cross Reference Page/Paragraph of Technical Proposal
1.0 General		
1.1	Minimum cutting chamber of 12" x 20"	
1.2	Cutting knives to be made of heat-treated alloy steel with cleaning fingers present.	
1.3	Two counter rotating shafts or equivalent one rotating shaft system meeting the same output criteria.	
2.0 Infeed / Outfeed		
2.1	Infeed conveyor feed method, minimum 18" width	
2.2	Semi-Enclosed feed hopper, Minimum 18" x 18" opening and minimum 40" High	
2.3	Discharge Chute	
2.4	Must shred heavy and thick textiles (including parka's, boots (up to a 1.5" sole) and coveralls) including zippers.	
2.5	Must shred plastics, such as hard hats	
2.6	Must shred rubberized products, such as flotation equipment and survival suits.	

2.7	Approximate size of post-shred material is 7/8" to 1" as a minimum shred size in varying lengths.	
3.0	Electrics	
3.1	Minimum 220V, Max. 575V (with no preference between the two stated limits)	
3.2	Max 5,000 A SCCR	
3.3	Electric Drive, dual shaft	
3.4	Sufficient horsepower and torque to shred stated clothing and equipment identified by Canada at a minimum throughput rate of 1,000 lbs. per hour (up to 4,000 lbs. per day) and a minimum shred size of 1" width with the chamber width of 12".	
3.5	Keyed 'Power' Switch	
3.6	HMI Touch Screen Operation	
3.7	Run Time Hour Meter	
3.8	Canadian Standards Association (CSA), Underwriters Laboratories (UL), Underwriters Laboratories of Canada (ULC) and European Union (CE) certification for the electrical panel.	