

**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**

<b>Title - Sujet</b> LANDFILL COMPACTOR	
<b>Solicitation No. - N° de l'invitation</b> W8476-155288/A	<b>Date</b> 2015-05-06
<b>Client Reference No. - N° de référence du client</b> W8476-155288	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$HS-597-67248	
<b>File No. - N° de dossier</b> hs597.W8476-155288	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2015-06-29</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Bourassa, Chantal	<b>Buyer Id - Id de l'acheteur</b> hs597
<b>Telephone No. - N° de téléphone</b> (819) 956-6763 ( )	<b>FAX No. - N° de FAX</b> (819) 956-5227
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**

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

**Issuing Office - Bureau de distribution**

Industrial Vehicles & Machinery Products Division  
11 Laurier St./11, rue Laurier  
7B1, Place du Portage, Phase III  
Gatineau  
Québec  
K1A 0S5

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>          <b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>          <b>Signature</b>          <b>Date</b>	

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Buyer ID - Id de l'acheteur

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## **PART 1 - GENERAL INFORMATION**

### **1. Introduction**

The bid solicitation and resulting contract document is divided into seven (7) parts plus annexes as follows:

- Part 1 General Information: provides a general description of the requirement;
- Part 2 Bidder Instructions: provides the instructions, clauses and conditions applicable to the bid solicitation;
- Part 3 Bid Preparation Instructions: provides bidders with instructions on how to prepare their bid;
- Part 4 Evaluation Procedures and Basis of Selection: indicates how the evaluation will be conducted, the evaluation criteria that must be addressed in the bid, and the basis of selection;
- Part 5 Certifications: includes the certifications to be provided;
- Part 6 Security, Financial and Other Requirements includes specific requirements that must be addressed by bidders; and
- Part 7 Resulting Contract Clauses: includes the clauses and conditions that will apply to any resulting contract.

The attachments include the Annex A - Pricing, the Annex B - Purchase Description – Landfill Compactor, the Appendix 1 Technical Information Questionnaire - Landfill Compactor.

### **2. Summary**

The Department of National Defence has a requirement to purchase one (1) landfill compactor and ancillary items, including familiarization instruction/training, in accordance with Annex B - Purchase Description - Landfill Compactor, dated 2015-04-09, and as described at Annex A - Pricing.

### **3. Trade Agreements**

The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement, the North American Free Trade Agreement, the Canada-Columbia Free Trade Agreement, the Canada-Peru Free Trade Agreement, the Canada-Panama Free Trade Agreement and the Agreement on Internal Trade.

### **4. Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within fifteen (15) working days from receipt of the results of the bid solicitation process. The debriefing may be provided in writing, by telephone or in person.

## PART 2 - BIDDER INSTRUCTIONS

### 1. Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](#) issued by Public Works and Government Services Canada (PWGSC).

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

The 2003 (2014-09-25) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

**Subsection 05.4** of 2003, Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

**Delete:** Bids will remain open for acceptance for a period of not less than sixty (60) days from the closing date of the bid solicitation

**Insert:** Bids will remain open for acceptance for a period of not less than ninety (90) calendar days from the closing date of the bid solicitation

### 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.

### 3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a "proprietary" nature must be clearly marked "proprietary" at each relevant item. Items identified as proprietary will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the questions or may request that the Bidder do so, so that the proprietary nature of the questions 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.

### 4. Applicable Laws - Bid

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.

#### **5. Improvement of Requirement During Solicitation Period**

Should bidders consider that the specifications, Purchase Description contained in the bid solicitation could be improved technically or technologically, bidders are invited to make suggestions, in writing, to the Contracting Authority named in the bid solicitation. Bidders must clearly outline the suggested improvement as well as the reason for the suggestion. Suggestions that do not restrict the level of competition nor favour a particular bidder will be given consideration provided they are submitted to the Contracting Authority at least seven (7) calendar days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

#### **6. Environmental Considerations**

Canada is committed to greening its supply chain. In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to acquire products and services that have a lower impact on the environment than those traditionally acquired.

Environmental performance considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; and reduced toxic and hazardous substances. In accordance with the Policy on Green Procurement, for this solicitation:

The successful bidder will be requested, after contract award, to provide all correspondence including (but not limited to) documents, reports and invoices in electronic format unless otherwise specified by the Contracting Authority, the Technical Authority or the Procurement Authority, thereby reducing printed material.

Bidders should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).

Product components used in performing the services should be recyclable and/or reusable, whenever possible.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **1. Bid Preparation Instructions**

Canada requests that bidders provide their bid in separately bound sections as follows:

First page of the Request for Proposal signed by the bidder or an authorized representative of the Bidder (1 signed copy)

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

Section IV: Additional Information (1 hard copy)

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.

Bidders should submit, with their bid, the completed Technical Information Questionnaire.

### **1. Substitutes and Alternatives**

1. Substitutes and alternatives that are equivalent in form, fit, function, quality and performance will be considered for acceptance by the Technical Authority where the Bidder:

- (a) Clearly identifies a substitute and/or an alternative;



- 
- (b) Designates the brand name, model and/or part number of the substitute and/or of the product, where applicable;
  - (c) States that the substitute product is fully interchangeable with the item specified in the technical requirement description;
  - (d) Provides complete specifications and brochures, where applicable;
  - (e) Provides compliance statements that include technical details showing the substitute and/or the alternative meet all technical requirements specified in the technical requirement description; and
  - (f) Clearly identifies those areas in the technical requirement description and in the brochures that support the substitute and/or the alternative compliance with the technical requirements.
2. Substitutes and alternatives offered as equivalent in form, fit, function quality and performance will not be considered for acceptance by the Technical Authority if:
- (a) The bid fails to provide all of the information requested to allow the Technical Authority to fully evaluate the equivalency; or
  - (b) The substitute and/or the alternative fail to meet or fail to exceed the technical requirements specified in the technical requirement description.
3. Bidders are encouraged to offer or suggest green products whenever possible.


## **Section II: Financial Bid**


Bidders must submit their bid in accordance with the Basis of Payment specified in Part 7 and Annex A - Pricing. The total amount of applicable taxes must be shown separately.

Bidders should complete Annex A and submit it with their bid.

### **1. SACC Manual Clauses**

#### **1.1 Exchange Rate Fluctuation Risk Mitigation**

1. The Bidder may request Canada to assume the risks and benefits of exchange rate fluctuations. If the Bidder claims for an exchange rate adjustment, this request must be clearly indicated in the bid at time of bidding. The Bidder must submit form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments with its bid, indicating the Foreign Currency Component (FCC) in Canadian dollars for each line item for which an exchange rate adjustment is required.
2. The FCC is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuations. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.

3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provision in the contract. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease).
4. At time of bidding, the Bidder must complete columns (1) to (4) on form [PWGSC-TPSGC 450](#) , for each line item where they want to invoke the exchange rate fluctuation provision. Where bids are evaluated in Canadian dollars, the dollar values provided in column (3) should also be in Canadian dollars, so that the adjustment amount is in the same currency as the payment.
5. Alternate rates or calculations proposed by the Bidder will not be accepted for the purposes of this exchange rate fluctuation provision.

### Section III: Certifications

#### 1. Certifications

Bidders must submit the certifications required under Part 5.

### Section IV: Additional Information

#### 1. Additional Information

Canada requests that bidders submit the following information:

##### 1.1 Best Delivery Date – Bid

###### 1.1.1 Firm Quantity

While delivery of the equipment/vehicle is requested by September 30, 2015, the best delivery that could be offered is as follows:

Item 001 – one (1) landfill compactor and ancillary items will be delivered within \_\_\_\_\_ weeks/calendar days from the effective date of the contract.

##### 1.2 Supplier Contacts

Name and telephone number of the person responsible for:

General enquiries

Name: \_\_\_\_\_

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

Delivery follow-up

Name: \_\_\_\_\_

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

### **1.3 After Sales Service**

Canada requests that the Bidder provide the names, addresses and telephone numbers of their dealers and/or agents authorized to provide after sales service, maintenance and warranty repairs, and a full range of repair parts for the vehicle/equipment offered. The Bidder should show the distance between the delivery location and the authorized dealer and/or agent and the delivery location, which should not be more than 100 kilometres.

Distance between the delivery location and the dealer and/or agent: \_\_\_\_\_ km

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone number: \_\_\_\_\_

### **1.4 Manufacturer's Standard Warranty Period**

Canada requests that the Bidder provide details of the manufacturer's standard warranty period for the vehicle/equipment and its component that exceeds the minimum warranty period of twelve (12) months or 1000 hours of usage, whichever comes first. Any additional manufacturer's standard warranty such as those derived from the Original Equipment Manufacturer (OEM) for component/sub-assemblies will form part of the proposed contract.

### **1.5 Extended Warranty Period**

Canada requests that the Bidder indicate if an extended warranty period is being offered that exceeds the minimum warranty period of twelve (12) months or 1000 hours of usage, whichever comes first.

If yes, Canada requests that the Bidder provide details and pricing information of any extended warranty period available for the vehicle/equipment and any ancillary items.

Any extended warranty period offered will not be included in the financial evaluation.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **1. Evaluation Procedures**

(a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

(b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **1.1. Mandatory Technical Evaluation Criteria**

##### **1.1.1 Mandatory Proof of Compliance**

Bidders must submit, with their bid, all proof of compliance required in the Annex B - Purchase Description and the Appendix 1 - Technical Information Questionnaire.

##### **1.1.2 Substitutes and/or Alternatives**

Bidders proposing substitutes and/or alternatives must provide with their bid, all the information as detailed in Part 3, Section 1, - Substitutes and Alternatives to be considered for evaluation.

#### **1.2. Mandatory Financial Evaluation Criteria**

**1.2.1.** Bidders must provide with their bid all financial information requested in the bid solicitation and at Annex A - Pricing for items 001.

**1.2.2** The prices of the bid must be in Canadian dollars, DDP Delivered Duty Paid at destination, Incoterms 2000, for item 001 the firm quantity, Canadian Custom Duties and Excise Taxes included where applicable, and Applicable Taxes are extra.

### **2. Basis of Selection**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical and financial evaluation criteria to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

## **PART 5 - CERTIFICATIONS**

Bidders must provide the required certifications and associated 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 in carrying out any of its obligations under the Contract, 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 may render the bid non-responsive or constitute a default under the Contract.

### **1. Certifications Required Precedent to Contract Award**

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications 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 comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

#### **1.1 Integrity Provisions – Associated Information**

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions [2003](#). The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

#### **1.2 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](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.

### **2. Additional Certifications Precedent to Contract Award**

#### **2.1 Product Conformance**

The Bidder certifies that all vehicles/equipment proposed conform, and will continue to conform throughout the duration of the contract, to all technical specifications of the purchase description(s).

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This certification does not relieve the bid from meeting all mandatory technical evaluation criteria detailed in Part 4.

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Bidder's authorized representative signature

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Date

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## **PART 6 - SECURITY, FINANCIAL AND OTHER REQUIREMENTS**

### **1. Security Requirement**

There is no security requirement associated with this bid solicitation.

### **2. Financial Capability**

**SACC Reference**  
A9033T

**Title**  
Financial Capability

**Date**  
2012-07-16

## **PART 7 - RESULTING CONTRACT CLAUSES**

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

### **1. Requirement - Contract**

The Contractor must deliver one (1) landfill compactor and ancillary items, including familiarization instruction/training, in accordance with the Annex B - Purchase Description - Landfill Compactor, dated 2015-04-09, and at Annex A - Pricing.

#### **1.1 Technical Changes, Substitutes and Alternatives**

Any technical changes, substitutes and alternatives proposed by the Contractor must be evaluated for acceptance by the Technical Authority. Any substitutes and alternatives must be equivalent in form, fit, function, quality and performance to what is being replaced and must be at no additional cost to Canada. Substitutes and alternatives that are offered as equivalent will only be acceptable once they are approved by the Technical Authority as an equivalent. A contract amendment or a completed Design Change/Deviation form will be issued.

Should the Technical Authority not accept the substitute or the alternative and the Contractor is unable to meet the technical requirement, Canada may terminate the contract for default in accordance with the general conditions stated in the contract.

### **2. 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.

#### **2.1 General Conditions**

2010A (2014-11-27), General Conditions - Medium Complexity - Goods, apply to and form part of the Contract.

Section 09 entitled Warranty of General Conditions 2010A is amended as follows:

At subsection 1, delete the following: "The warranty period will be twelve (12) months" and replace with the following: "The warranty period will be twelve (12) months, or 1,000 hours of usage, whichever comes first".

Delete subsection 2 in its entirety and replace with the following:

The Contractor must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good. The Contractor must also pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location. In such



cases, the Contractor will be responsible for all Costs (including travel and living expenses) incurred in so doing, Canada will not reimburse these Costs.

If action to effect repairs under warranty cannot be initiated within two (2) working days and completed within a reasonable length of time or if the Contractor has no repair facilities in the immediate vicinity (within 100 kilometres) of the specified delivery destinations (consignees), Canada reserves the right to make such repairs and be reimbursed by the Contractor at the rate of \$103.91 per hour for labour and the cost for replaced parts.”

All other provisions of the warranty section remain in effect.

### **3. Term of Contract**

#### **3.1 Delivery Date**

Delivery of the vehicle/equipment must be made as follows:

##### **Firm Quantity**

Item 001 – one (1) landfill compactor and ancillary items must be delivered within to be inserted by PWGSC weeks/calendar days from the effective date of the contract.

### **4. Authorities**

#### **4.1 Contracting Authority**

The Contracting Authority for the Contract is:

Chantal Bourassa  
Supply Officer  
Public Works and Government Services Canada  
Acquisitions Branch  
LEFTD - HS Division  
Place du Portage, Phase III, 7B1  
Gatineau, Quebec K1A 0S5  
Telephone: 819-956-6763  
Facsimile: 819-956-5227  
E-mail address: chantal.bourassa@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.

#### **4.2 Procurement Authority**

The Procurement Authority for the contract is:

To be inserted by PWGSC

DLP \_\_\_\_\_

National Defence Headquarters  
Mgen. George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, Ontario K1A 0K2  
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. The Procurement Authority is responsible for the implementation of tools and processes required for the administration of the Contract. The Contractor may discuss administrative matters identified in the Contract 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 Work can only be made through a contract amendment issued by the Contracting Authority.

#### **4.3 Technical Authority**

The Technical Authority for the Contract is:

To be inserted by PWGSC

National Defence Headquarters  
Mgen. George R. Pearkes Building  
101 Colonel By Drive  
Ottawa, Ontario K1A 0K2  
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.

#### **4.4 Contractor's Representative**

##### **General enquiries**

Name: To be inserted by PWGSC

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

##### **Delivery follow-up**

Name: To be inserted by PWGSC

Telephone No. \_\_\_\_\_

Facsimile No. \_\_\_\_\_

E-mail address: \_\_\_\_\_

#### 4.5 After Sales Service

The following dealer and/or agent is authorized to provide after sales service, maintenance and warranty repairs; and a full range of repair parts for the vehicle/equipment offered:

Distance between the delivery location and the dealer and/or agent: to be inserted by PWGSC km

Name:

Address:

Telephone Number:

### 5. Payment

#### 5.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm price(s) specified in Annex "A" - Pricing, and as follows:

##### 5.1.1 Basis of Payment (BOP) Type 1

Firm lot prices in Canadian dollars, Delivered Duty Paid at destination, Incoterms 2000, including Canadian Custom Duties and Excise Taxes included where applicable, and applicable Taxes are extra.

The price paid will be adjusted in accordance with the exchange rate fluctuation provision (as applicable).

#### 5.2 SACC Manual Clauses

SACC Reference	Title	Date
C6000C	Limitation of Price	2011-05-16
H1001C	Multiple Payments	2008-05-12

#### 5.3 Exchange Rate Fluctuation Adjustment

1. The foreign currency component (FCC) is defined as the portion of the price or rate that will be directly affected by exchange rate fluctuation. The FCC should include all related taxes, duties and other costs paid by the Bidder and which are to be included in the adjustment amount.
2. For each line item where a FCC is identified, Canada assumes the risks and benefits for exchange rate fluctuation, as shown in the Basis of Payment. For such items, the exchange rate fluctuation amount is determined in accordance with the provision of this clause.
3. The total price paid by Canada on each invoice will be adjusted at the time of payment, based on the FCC and the exchange rate fluctuation provisions in the contract. The exchange rate adjustment amount will be calculated in accordance with the following formula:  
$$\text{Adjustment} = \text{FCC} \times \text{Qty} \times (i_1 - i_0) / i_0$$
where formula variables correspond to:

---

**FCC**

Foreign Currency Component (per unit)

$i_0$



Initial exchange rate (CAN\$ per unit of foreign currency [e.g. US\$1])

$i_1$

exchange rate for adjustments (CAN\$ per unit of foreign currency [e.g. US\$1])

**Qty**

quantity of units

4. The initial exchange rate is typically set as the noon rate as published by the Bank of Canada on the solicitation closing date.
5. For goods, the exchange rate for adjustment will be the noon rate as published by the Bank of Canada on the date the goods were delivered. For services, the exchange rate for adjustment will be the noon rate on the last business day of the month for which the services were performed. For advance payments, the exchange rate for adjustment will be the noon rate on the date the payment was due. The most recent noon rate will be used for non-business days.
6. The Contractor must indicate the total exchange rate adjustment amount (either upward, downward or no change) as a separate item on each invoice or claim for payment submitted under the Contract. Where an adjustment applies, the Contractor must submit with their invoice form [PWGSC-TPSGC 450](#) , Claim for Exchange Rate Adjustments.
7. The exchange rate adjustment will only be applied where the exchange rate fluctuation is greater than 2% (increase or decrease), calculated in accordance with column 8 of form [PWGSC-TPSGC 450](#)  (i.e.  $[i_1 - i_0] / i_0$ ).
8. Canada reserves the right to audit any revision to costs and prices under this clause.

**6. Invoicing**

**6.1 Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions.
2. Invoices cannot be submitted before delivery, inspection and acceptance of the vehicle/equipment/service.
3. The Applicable Taxes must be calculated on the total amount of the invoice before the holdback is applied. At the time the holdback is claimed, there will be no taxes payable as they were claimed and payable under the previous invoice for the vehicle/equipment/service.
4. Upon delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service the Contractor can submit an invoice for the release of the holdback.
5. Each invoice must be supported by:

(a) a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses;

6. The Contractor is requested to provide invoices in electronic format unless otherwise specified by the Contracting Authority or Procurement Authority, thereby reducing printed material.

7. Invoices must be distributed as follows:

(a) The original must be forwarded or emailed to the Procurement Authority identified under the section entitled "Authorities" of the Contract for acceptance and payment.

(b) One (1) copy must be forwarded or emailed to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

## **6.2 Holdback**

1. Canada will apply a ten (10) percent holdback on any due payment for the vehicle/equipment/service (Item 001) until delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service.

2. Subsequent to delivery, inspection and acceptance of all ancillary items related to such vehicle/equipment/service the Contractor must submit an invoice for the release of the Holdback in accordance with "Invoicing Instructions" found in this contract.

## **7. Certifications**

### **7.1 Compliance**

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated 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 associated 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.

## **8. Applicable Laws - Contract**

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

## **9. 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) the 2010A (2014-11-27) General Conditions - Medium Complexity - Goods;

(c) Annex A - Pricing;

(d) Annex B - Purchase Description - Landfill Compactor, dated 2015-04-09;

(e) The Contractor's bid dated (to be inserted by PWGSC) \_\_\_\_\_, as amended (to be inserted by PWGSC) \_\_\_\_\_.

#### 10. SACC Manual Clauses

SACC Reference	Title	Date
A1009C	Work Site Access	2008-05-12
A9006C	Defence Contract	2012-07-16
A9049C	Vehicle Safety	2011-05-16
C2800C	Priority Rating	2013-01-28
C2801C	Priority Rating - Canadian Contractors	2011-11-27
D5545C	ISO 9001:2008 Quality Management Systems - Requirements (QAC C)	2010-08-16
G1005C	Insurance	2008-05-12

#### 11. Inspection and Acceptance

The Technical Authority or his representative 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 its representative. Should any report, document, good or service not be in accordance with the requirements of the Purchase Description 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.

#### 12. Preparation for Delivery

1. The vehicle/equipment shall be serviced, adjusted and delivered in condition for immediate use. The interior and exterior must be cleaned before leaving the factory and being released to the inspection authority or consignee at the final delivery location.

3. The fuel tanks shall be at least half to three quarter full prior to release of the vehicle(s) to DND personnel.

2. All vehicles/equipment are to be delivered by appointment only. Any attempt by the carrier to deliver the vehicles/equipment without an appointment may be refused. When the carrier is required to return due to its failure to make an appointment for delivery, Canada will not be liable, to pay for any additional costs.

#### 13. Shipping Instructions - Delivery at Destination

1. The Contractor must ship the goods prepaid DDP - Delivered Duty Paid (in accordance with Annex A - Pricing) as specified below. Unless otherwise directed, delivery must be made by the most economical means. The Contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including the payment of customs duties and Applicable Taxes.

2. The Contractor must deliver the goods by appointment only. The Contractor or its carrier must arrange delivery appointments by contacting the person identified in Annex A - Pricing. The consignee may refuse shipments when prior arrangements have not been made.

#### **14. Delivery and Unloading**

1. Delivery trucks must be equipped with an unloading device which will permit unloading at sites with no hydraulic, stationary or other type of unloading facility.

#### **15. Post-Contract Award Meeting**

Within ten (10) calendar days from the effective date of the Contract, the Contractor must contact the Contracting Authority to determine if a post-contract award meeting is required. A meeting will be convened at the discretion of the Technical Authority after contract award to review technical and contractual requirements. The Contractor shall be responsible for the preparation and distribution of the minutes of meeting within five (5) calendar days after the meeting has been held. The meeting will be held at the Contractor's facilities or at the Department of National Defence facility or via teleconference, at Canada's discretion at no additional cost to Canada, with representatives of the Contractor, the Department of National Defence and Public Works and Government Services Canada.

#### **16. Tools and Loose Equipment**

For shipment verification, all items and tools, which are shipped loose with the vehicle/equipment must be listed on the Inspection Certificate (CF1280) or on an attached packing note.

#### **17. Assembly/Preparation at Delivery**

The Contractor must send a Service Representative to each delivery destination to perform the assembly/preparation on all vehicles/equipment delivered. The assembly/preparation must be performed at no additional cost to Canada.

#### **18. Interchangeability**

Unless changes during the production run are authorized by the Contracting Authority, all vehicles/equipment supplied against any one item of a contract must be the same make and model, and all like assemblies, sub-assemblies and parts must be interchangeable.

#### **19. Environmental Considerations**

Canada is committed to greening its supply chain. In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to acquire products and services that have a lower impact on the environment than those traditionally acquired.

Environmental performance considerations include, among other things: the reduction of greenhouse gas emissions and air contaminants; improved energy and water efficiency; reduced waste and support reuse and recycling; the use of renewable resources; reduced hazardous waste; and reduced toxic and hazardous substances. In accordance with the Policy on Green Procurement:

The Contractor is requested to provide all correspondence including (but not limited to) documents and reports in electronic format unless otherwise specified by the Contracting Authority, the Technical Authority or the Procurement Authority, thereby reducing printed material.

The Contractor should recycle (shred) unneeded copies of non-classified/secure documents (taking into consideration the Security Requirements).

Solicitation No. - N° de l'invitation  
W8476-155288/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur  
hs597

Client Ref. No. - N° de réf. du client  
W8476-155288

File No. - N° du dossier  
hs597W8476-155288

CCC No./N° CCC - FMS No./N° VME

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Product components used in performing the services should be recyclable and/or reusable, whenever possible.



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## ANNEX A - PRICING

### Item 001 – Landfill Compactor (Firm Quantity)

The Contractor must deliver one (1) landfill compactor and ancillary items such as but not limited to vehicle manuals, data summary, photographs, warranty letter(s) including familiarization instruction/training, in accordance with the attached Annex B - Purchase Description - Landfill Compactor, dated 2015-04-09.

The landfill compactor and ancillary items must be delivered to:

CFB Borden  
Major Equipment Section  
Bldg O-111  
Borden, Ontario  
LOM 1C0  
Canada

The contact person at destination is: (to be inserted by PWGSC).

Firm lot price of \$\_\_\_\_\_ per vehicle/equipment and ancillary items, Delivered Duty Paid (... named place of destination), in accordance with Part 7, Basis of Payment Type 1.

Manufacturer: (to be inserted by PWGSC) Model: (to be inserted by PWGSC)

### Item 002 – Extended Warranty Period

If the warranty period is extended for an additional period of \_\_\_\_\_ months/calendar days, the Contractor will be paid a firm unit price of \$\_\_\_\_\_ per vehicle/equipment, Goods and Services Tax or the Harmonized Sales Tax extra.

(Item 002 will not be included in the financial evaluation)



**NOTICE**

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

**AVIS**

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

**ANNEX B**

**PURCHASE DESCRIPTION**  
**LANDFILL COMPACTOR**

**1 SCOPE**

1.1 **Scope** - This purchase description covers the requirements for a Landfill Compactor vehicle.

**1.2 Instructions**

- (a) Requirements, which are identified by the word "***shall***", ***shall*** be treated as mandatory. Deviations will not be permitted;
- (b) Requirements identified with a "will" define actions to be performed by Canada and require no action/obligation on the Contractor's part;
- (c) Where "***shall***" or "will" are not used, the information provided is for guidance only;
- (d) Where technical certification is required, a copy of the certification or an acceptable proof of compliance ***shall*** be provided, upon request, at no cost to Canada; and
- (e) Nominal dimensions ***shall*** be treated as approximate. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

**1.3 Definitions**

- (a) "***Technical Authority***" ***shall*** mean the official responsible for the technical content of this requirement; and
- (b) "***Equivalent***" ***shall*** mean a standard, means, or component type, which the ***Technical Authority*** has approved for this requirement, in writing, as meeting the specified requirements for function and performance.

Revisions		
Rev	Date	Description
A	2015/04/09	Initial Release

OPI: DSVPM 4 - BPR: DAPVS 4

Issued on Authority of the Chief of the Defence Staff

Publiée avec l'autorisation du chef d'état-major de la Défense

1.4 **Data Table** - The following table shows required performance and dimensions for each configuration.

			CONFIGURATION
CHARACTERISTIC	PARAGRAPH	UNITS	A
ENGINE POWER	3.4.1(a)	kW	170
OPERATING WEIGHT	3.4.1(b)	kg	23,000
DOZER BLADE HEIGHT	3.5(a)(iii)	mm	1,800
WHEEL WIDTH	3.12(d)	mm	1,000
WHEEL DIAMETER	3.12(e)	mm	1,250

## 2 APPLICABLE DOCUMENTS

### 2.1 Government Furnished Documents - NOT APPLICABLE

2.2 **Other Publications** - The following documents are referenced in this specification. Canada will not be supplying any reference documents. Available information on the organization is provided.

- (a) Canada Occupational Health and Safety Regulations  
Government of Canada / Department of Justice  
<http://laws-lois.justice.gc.ca/eng/regulations/SOR-86-304/index.html>
- (b) CAN/CSA Z107.56-06, Procedures for the Measurement of Occupational Noise Exposure  
Canadian Standards Association  
5060 Spectrum Way, Suite 100  
Mississauga, Ontario, L4W 5N6  
<http://www.csa.ca/cm/ca/en/home>
- (c) Hazardous Products Act  
Government of Canada / Department of Justice  
<http://laws-lois.justice.gc.ca/eng/acts/H-3/>
- (d) International Organization for Standardization (ISO)  
ISO Central Secretariat  
1, ch. de la Voie-Creuse  
CP 56, CH-1211 Geneva 20  
Switzerland  
<http://www.iso.org/iso/home.htm>
- (e) SAE Standards  
SAE World Headquarters  
400 Commonwealth Dr.,  
Warrendale, PA, 15096-0001  
<http://www.sae.org>

## 3 REQUIREMENTS

### 3.1 Standard Design

- (a) The vehicle **shall** be the latest model from a manufacturer who has demonstrated acceptability by selling, in North America, this type and size class of vehicle for at least three (3) years;
- (b) The vehicle **shall** have engineering certification available, upon request, at no cost to Canada, for this application from the original manufacturers of major equipment, systems and assemblies;

- (c) The vehicle **shall** conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture; and
- (d) The vehicle **shall** not have systems and components operating at capacities beyond those published by the system or component manufacturer.

### 3.2 Operating Conditions

3.2.1 Weather - The vehicle/equipment **shall** operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 40°C.

3.2.2 Terrain - The vehicle/equipment **shall** be capable of being operated on secondary roads, gravel roads, and off-road (e.g. construction sites, open fields and dirt tracks). Terrain conditions **shall** include year round operations on snow, mud, sand and ice.

### 3.3 Safety Standards

3.3.1 Noise Level - The vehicle noise levels **shall** meet the requirements of legislation relative to Canada Occupational Safety and Health Regulations (paragraph 7.4) both at the operator's station and exterior to the vehicle for exposures of 8 hours during a 24 hour period. Measurements **shall** be taken in accordance with CAN/CSA Z107.56-06.

3.3.2 Hazardous Materials - The contractor **shall** minimize or eliminate the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals (as described in the Hazardous Products Act of Canada) used in the manufacture and assembly of the product supplied.

3.4 Performance - Performance **shall** be validated with Proof of Compliance.

#### 3.4.1 Vehicle Performance

- (a) The vehicle **shall** have a net engine power of at least that given as "ENGINE POWER" in the Data Table; and
- (b) The vehicle **shall** have an operating weight of at least that given as "OPERATING WEIGHT" in the Data Table.

### 3.5 Equipment

#### (a) Dozer Blade

- (i) The vehicle **shall** be equipped with the manufacturer's straight landfill dozer blade;
- (ii) The dozer blade **shall** be equipped with replaceable bolt-on cutting edges;
- (iii) The dozer blade **shall** have a minimum height of at least that given as "DOZER BLADE HEIGHT" in the Data Table; and
- (iv) The dozer blade **shall** have a width of at least that of the vehicle.

(b) Refuse Protection Guards - The vehicle **shall** be equipped with the manufacturer's protective grills, designed to protect vulnerable areas of the windows and cab from refuse thrown from the wheels.

(c) **Tie-Down/Transport/Recovery Devices**

- (i) Permanent and integrally mounted devices **shall** be provided to prevent shifting or movement during transport on low-bed trailers, rail cars and aboard ships and for lifting and recovery operations;
- (ii) The devices **shall** be designed for forward thrust of 4 G, a rearward thrust of 4 G, an upward thrust of 2 G and a side thrust of 1.5 G (1 G = shipping weight of the equipment). These loads are not imposed simultaneously;
- (iii) If the devices have eyes, these eyes **shall** have a nominal inside diameter of no less than 76 mm for lifting operations;
- (iv) The devices **shall** be located and sized to permit attachment of cables or turnbuckles;
- (v) The devices **shall** be identified and marked with maximum load permitted adjacent to the tie-downs using a contrasting colour; and
- (vi) The tie-down devices **shall** be identified and marked, in a contrasting colour, with maximum loads permitted.; and
- (vii) The operation and use of these devices **shall** be included in the manuals. It is preferred that this information be marked in the vehicle cab (in the form of decals).

(d) **Tool Compartment**

- (i) A tool compartment to hold all tools and loose equipment required for daily maintenance **shall** be provided;
- (ii) The tool compartment **shall** be protected from the elements including road splash or be of weatherproof construction with anti-return type drainage; and
- (iii) The tool compartment **shall** be lockable.

(e) **Protection against Vandalism**

- (i) The vehicle **shall** have vandal protection measures including provisions for locking the engine covers, filler caps and cab; and
- (ii) Locking **shall** be by padlock hasps or by integral, common keyed locks.

- (f) **Non-Skid Walking Surfaces** - The vehicle **shall** have all walking surfaces covered with a coarse non-skid coating for operator safety.

3.6 **Operator Station**

3.6.1 **ROPS/FOPS Cab**

- (a) A cab incorporating a certified Roll Over Protective Structure (ROPS) and Falling Object Protective Structure (FOPS) **shall** be provided;
- (b) The ROPS cab **shall** be weatherproof, pressurized and insulated;
- (c) The ROPS cab **shall** have a heating system with ventilation and defrosting systems capable of keeping windows free from frost and moisture;

- (d) The ventilation system **shall** be equipped with a filter designed to reduce gases, vapours and smells emitting from the landfill site;
- (e) The ROPS cab **shall** have the manufacturer's standard safety glass in the windows. It is preferred the glass be tinted to reduce solar heating load;
- (f) The cab **shall** have windshield wipers conforming to SAE J198;
- (g) The windshield wiper system **shall** have at least 2 speeds, with an intermittent setting;
- (h) The windshield wipers **shall** incorporate a washer system; and
- (i) The ROPS cab **shall** have two lockable doors, or one door and at least one visibly labelled window as an emergency escape route.

#### 3.6.2 Driver's Seat

- (a) The vehicle shall be equipped with an operator's air suspension seat and backrest in conformance with SAE J899 or in conformance with ISO 11112:1995 and ISO 7096.
- (b) The driver's seat **shall** be comfortable for an operator who may be operating the vehicle for extremely long periods and have seat material being a breathable fabric or a mesh surface;
- (c) The seat **shall** be equipped with seat belts conforming, as a minimum, to SAE J386; and
- (d) The seat **shall** be fore/aft adjustable without having to move from a seated position.

#### 3.6.3 Mirror(s)

- (a) Adjustable rear-view mirrors positioned for safe reverse operation **shall** be provided;
- (b) If exterior mirrors are used, they **shall** be heated;
- (c) Mirror heating **shall** be activated by an in-cab control; and
- (d) It is preferred that the non-reflective surface of the mirror be flat black and that the mirrors be a split type with 25 percent convex.

#### 3.6.4 Radio

- (a) An AM/FM radio **shall** be provided. It is preferred that the radio be equipped with an auxiliary input; and
- (b) The radio **shall** turn off automatically when the vehicle is turned off.

#### 3.6.5 Rear View Camera

- (a) A rear view camera **shall** be installed on the vehicle;
- (b) The camera image **shall** be displayed in the cab of the vehicle; and
- (c) The camera **shall** be protected by a guard or mounted in a protected location.

#### 3.6.6 Air Conditioner - The manufacturer's standard air conditioning system **shall** be provided.

- 3.6.7 **Operator Manual Stowage** - The vehicle operator compartment **shall** be equipped with a dedicated stowage holder or box for the operator manual(s).
- 3.7 **Chassis** - The vehicle chassis **shall** be the manufacturer's standard for a vehicle of this type and size.
- 3.7.1 **License Plate Holder** - The vehicle **shall** be equipped with a rear mounted license plate holder.
- 3.8 **Engine** - The manufacturer's standard diesel engine **shall** be provided.
- 3.8.1 **Engine Components** - Engine components **shall** be the manufacturer's standard.
- 3.8.2 **Fuel Tank(s)** - The fuel tank(s) **shall** be the manufacturer's standard.
- 3.8.3 **Engine Cold Weather Aids**
- (a) The engine **shall** be equipped with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -20° C;
  - (b) A low temperature engine starting aid **shall** be provided. The engine **shall** have one of the following systems; ether injection, glow plug(s), intake air preheat or **Equivalent**; and
  - (c) One or more 110-Volt engine heaters **shall** be provided. The engine heaters **shall** have a capacity as recommended by the engine manufacturer or conforming to SAE J1310.
- 3.8.4 **Fuel-Fired Pre-Heater**
- (a) The vehicle **shall** be provided with a fuel-fired engine coolant preheat system;
  - (b) The fuel-fired pre-heater **shall** be the size recommended by the heater manufacturer;
  - (c) The fuel-fired pre-heater **shall** be provided with a 7 day programmable timer;
  - (d) Fuel for the fuel-fired pre-heater **shall** be drawn from the vehicle fuel tank; and
  - (e) The fuel-fired pre-heater **shall** operate without power from outside the vehicle.
- 3.9 **Transmission** - The transmission **shall** be the manufacturer's standard.
- 3.10 **Brake System** - The braking system **shall** conform to ISO 3450 or **Equivalent**.
- 3.11 **Steering** - The steering system **shall** be the manufacturer's standard.
- 3.12 **Wheels**
- (a) The vehicle **shall** be equipped with drum wheels designed for use in landfill sites;
  - (b) The wheels **shall** incorporate the manufacturer's long-life teeth;
  - (c) The vehicle **shall** be equipped with self-cleaning wheels, wheel scrapers or **Equivalent** capability designed to clear refuse from the wheels;

- (d) The wheels **shall** have a minimum width of at least that given as "WHEEL WIDTH" in the Attachment Capability Table; and
- (e) The wheels **shall** have a minimum drum diameter of at least that given as "WHEEL DIAMETER" in the Attachment Capability Table.

3.13 **Controls**

- (a) Controls **shall** be manufacturer's standard;
- (b) The blade controls **shall** be the joystick type; and
- (c) The controls **shall** include a safety device ensuring that the engine can only be started with the transmission in a neutral position.

3.14 **Instruments**

- (a) Instruments **shall** be the manufacturer's standard; and
- (b) The instruments **shall** include an hour-meter, which displays the accumulated running time up to at least 9,999 hours.

3.15 **Electrical System**

- (a) The vehicle **shall** be equipped with the manufacturer's standard electrical system;
- (b) A back-up alarm system to alert personnel that the vehicle is in reverse **shall** be provided; and

3.16 **Battery Solar Charger**

- (a) A Battery Solar Charging System **shall** be provided;
- (b) The Battery Solar Charging System **shall** be equivalent to NSN 6130-01-487-0035;
- (c) The solar charger panel **shall** be roof mounted at the rear on an angle of between 10 and 15 degrees;
- (d) The contractor **shall** have the Solar Battery Charging System's location/wiring approved by the Technical Authority prior to installation.

3.17 **Lighting.** The vehicle **shall** be equipped with the manufacturer's standard lighting package.

3.17.1 **Amber Coloured Beacon**

- (a) An amber-coloured omni-directional beacon that operates continuously when the vehicle is running **shall** be provided;
- (b) The beacon **shall** be mounted so as to provide maximum vehicle visibility. It is preferred that the visibility be through 360 degrees;
- (c) It is preferred that the beacon be mounted on the cab roof; and
- (d) The beacon **shall** be LED.

3.17.2 **Additional Working Lights** - Additional front and rear working lights **shall** be provided. LED lights are preferred.

3.17.3 **Light Guards** - All lighting **shall** be protected by guards or mounted in a location to prevent damage.



3.18 **Hydraulic System** - The hydraulic system **shall** be the manufacturer's standard.

3.19 **Lubricants and Hydraulic Fluids**

- (a) Manufacturer's standard synthetic non-proprietary lubricants and hydraulic fluids **shall** be provided; and
- (b) Lubrication fittings **shall** conform to SAE J534 or an **Equivalent** North American Standard.

3.19.2 **Automatic Greasing System**

- (a) The vehicle **shall** be equipped with an Automatic Greasing System, which automatically provides grease to the majority of the greasing points;
- (b) The system **shall** include a telltale light indicating that the system is functioning and a low grease level alarm in the operator's station; and
- (c) The mounting location **shall** not impede ingress or egress of the vehicle. The final mounting location and configuration will be approved by the Technical Authority prior to vehicle delivery.

3.20 **Paint** - The vehicle **shall** be painted using the manufacturer's standard commercial painting system and in the manufacturer's standard commercial colours.

3.21 **Identification** - The manufacturer's name, model and vehicle serial number **shall** be permanently marked in a conspicuous and protected location.

3.21.1 **Labels** - All written warning and instruction labels **shall** be in a bilingual format.

3.22 **Vehicle Delivery Condition**

- (a) If the vehicle requires assembly at destination, the contractor **shall** be responsible for all manpower and equipment to perform assembly;
- (b) The space for assembly at destination will be provided, if required;
- (c) For shipment verification, items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose, **shall** be listed on the shipping certificate or to an attached packing note;
- (d) Fuel tank(s) **shall** be half to three quarters full on delivery; and
- (e) Lubricant viscosity provided **shall** be in accordance with the manufacturer's specifications for the destination and the season of delivery.

4 **Integrated Logistic Support**

4.1 **Documentation and Support Items**

4.1.1 **Items Provided to Technical Authority**

- (a) **Data Summary** - A bilingual data summary **shall** be provided for each configuration with data and a vehicle picture in the **Technical Authority** provided format;

(b) **Manuals for Approval**

- (i) One set of manuals, including operator, parts and maintenance (shop repair) manuals, in both digital and paper format, **shall** be provided;
- (ii) All manuals **shall** be provided in a bilingual format as a package;
- (iii) Digital copies **shall** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection. Digital copies **shall** be provided on a CD or DVD. It is preferred that digital copies are provided in a searchable PDF format;
- (iv) Manuals will not be returned; and
- (v) Approval or comments on the manuals will be provided within 15 working days of receipt.

(c) **Warranty Letter**

- (i) A paper copy of the completed bilingual warranty letter in the approved format (provided by the **Technical Authority**) **shall** be provided to the **Technical Authority**; and
- (ii) The warranty letter **shall** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada.

(d) **Photographs**

- (i) Two (2) digital pictures, one left-front three-quarter view, and one right-rear three-quarter view of each configuration **shall** be provided;
- (ii) It is preferred that pictures have an uncluttered background; and
- (iii) Pictures **shall** have a resolution of at least eight (8) Mega pixels.

(e) **Initial Parts Kit List** - The contractor **shall** provide a list of parts needed to perform preventive maintenance on one vehicle for a 1 year period as per the maintenance manual. A complete change of all filters and filter elements **shall** be included in the list. The list **shall** include the following elements:

- (i) Part description;
- (ii) Original Equipment Manufacturer Part number;
- (iii) Suggested quantity; and
- (iv) Unit cost.

(f) **Material Safety Data Sheets**

- (i) The contractor **shall** provide a listing of all hazardous materials used on the vehicle;
- (ii) If there are no hazardous materials used, this **shall** be stated on the listing; and
- (iii) The contractor **shall** provide material safety data sheets of all hazardous materials in the list.

#### 4.1.2 Items with Each Vehicle

(a) Operator's Manuals

- (i) An operator's manual for the safe vehicle operation including all supplied attachments **shall** be provided with each vehicle shipped;
- (ii) The operator's manual **shall** be provided in a bilingual format as a package;
- (iii) A digital copy of the operator's manual **shall** be provided, in addition to the paper copy, with each vehicle shipped; and
- (iv) The digital copy **shall** be functional without the requirement for a password, an auto-run installation procedure or an Internet connection. Digital copies **shall** be provided on a CD or DVD. It is preferred that the digital copy be provided in a searchable PDF format.

(b) Warranty Letter

- (i) A paper copy of the completed bilingual warranty letter in the approved format (provided by the **Technical Authority**) **shall** be provided with each vehicle shipped;
- (ii) The warranty letter **shall** include the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada; and
- (iii) Designated warranty providers **shall** honour the warranty letter.

(c) Keys - Four (4) keys in accordance with paragraph 3.6 (a) **shall** be provided.

#### 4.1.3 Items Shipped to the Vehicle Supporting Unit

- (a) Operator's Manuals - The contractor **shall** provide a bilingual operator's manual in both paper and digital format. Digital copies **shall** be provided on a CD or DVD;
- (b) Parts Manuals - The contractor **shall** provide the Parts Manuals in a bilingual format or as 2 manuals in a single binder (one English, and one French), in both paper and digital format. Digital copies **shall** be provided on a CD or DVD;
- (c) Maintenance (Shop Repair) Manuals - The contractor **shall** provide the Maintenance (Shop Repair) Manual in a bilingual format or as 2 manuals in a single binder (one English, and one French), in both paper and digital format. Digital copies **shall** be provided on a CD or DVD;
- (d) Material Safety Data Sheets - The contractor **shall** provide material safety data sheets for all hazardous materials in the list provided to the **Technical Authority**; and
- (e) Filters - The contractor **shall** provide a complete change of all filters and filter elements.

#### 4.2 Training - Familiarization

- (a) The contractor **shall** provide a familiarization course;

- (b) The familiarization course **shall** include operation and maintenance segments demonstrating, as a minimum, all safety measures required for safe vehicle use and maintenance, differences between new and existing vehicles and responses to questions;
- (c) The familiarization course **shall** include 2-day (16 hours) of training, divided into one day for operators and one day for technicians;
- (d) The operator's familiarization **shall** include safety precautions to be observed while operating and servicing the vehicle, vehicle operating characteristics, pre-operating and pre-shutdown procedures and daily/weekly operator servicing procedures. The course **shall** include a minimum of two (2) hours operating experience per operator;
- (e) The operator's familiarization **shall** include sub-systems, including automatic greasing systems and pre-heaters;
- (f) The maintainer's familiarization **shall** include operation of any special tools and test equipment (if any);
- (g) The familiarization course **shall** accommodate up to 8 personnel;
- (h) The familiarization course **shall** be provided at the delivery destination;
- (i) The familiarization course **shall** be in the official language requested;
- (j) An outline of the familiarization course **shall** be provided, for approval, to the **Technical Authority**, prior to the conduct of training;
- (k) The date for the familiarization course **shall** be arranged with the **Technical Authority**; and
- (l) After completion of familiarization course, the contractor **shall** have the "PROOF OF FAMILIARIZATION" certificate signed by the senior course attendee. The **Technical Authority** will supply this document in a digital format.



**NOTICE**

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

**AVIS**

Cette documentation a été révisée par l'Autorité technique et ne contient pas de marchandises contrôlées.

**APPENDIX 1**

**TECHNICAL INFORMATION QUESTIONNAIRE**  
**LANDFILL COMPACTOR**

This questionnaire covers technical information, which **shall** be provided for evaluation of the configuration(s) of the vehicle(s) offered.

Where the specification paragraphs below indicate "Proof of Compliance", the "Proof of Compliance" **shall** be provided for each performance requirement/specification.

Bidders should indicate the requested information and indicate the document name/title and page number where the Proof of Compliance can be found.

Definitions for **Equivalent** and **Proof of Compliance** are found in the DEFINITIONS section at the end of this document.

**CONTRACTOR INFORMATION**

Contractor Name: \_\_\_\_\_

Address: \_\_\_\_\_

Proposal Date: \_\_\_\_\_

**Substitutes/Alternatives**

Please identify all equipment substitutes/alternatives offered as **Equivalents** below:

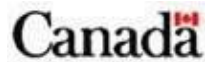
\_\_\_\_\_  
\_\_\_\_\_

Revisions		
Rev	Date	Description
A	2015/04/09	Initial Release

**OPI: DSVPM 4 – BPR: DAPVS 4**

Issued on Authority of the Chief of the Defence Staff

Publiée avec l'autorisation du Chef d'état-major de la Défense



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3.1(a) Make: \_\_\_\_\_ - Model: \_\_\_\_\_

**DATA TABLE**

CHARACTERISTIC	PARAGRAPH	VALUE	UNIT	DOCUMENT TITLE	PAGE
ENGINE POWER	3.4.1 (a)		kW		
OPERATING WEIGHT	3.4.1 (b)		kg		
DOZER BLADE HEIGHT	3.5(a)(iii)		mm		
WHEEL WIDTH	3.12(d)		mm		
WHEEL DIAMETER	3.12(e)		mm		

## DEFINITIONS

*The following definitions apply to the interpretation of this Technical Information Questionnaire:*

- a) "Equivalent" - A standard, means, or component type, which has been accepted by the Technical Authority as meeting the specified requirements for form, fit, function and performance.
- b) "Proof of Compliance" is defined as an unaltered document, such as a brochure and/or technical literature and/or a third party test report provided by a nationally and/or internationally recognized testing facility and/or a report generated by a nationally and/or internationally recognized third party software. The document **shall** provide detailed information on each performance requirement and/or specification. Where a document submitted as Proof of Compliance does not cover all the performance requirements and/or specifications or when no such document is available or when modifications to the original equipment or customization are required to achieve the performance requirements and/or specifications, a Certificate of Attestation (as a separate document) signed by a senior engineer representing the Original Equipment Manufacturer (OEM) detailing the modifications and how they meet the performance requirements and/or specifications **shall** be provided. The certificate **shall** detail all performance requirements and/or specifications required to substantiate compliance. One certificate can be provided for one or all performance requirements and/or specifications.