



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada

800 Burrard Street, Room 219

800, rue Burrard, pièce 219

Vancouver, BC V6Z 0B9

Bid Fax: (604) 775-7526

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

Proposal To: Public Works and Government Services Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

Proposition aux: Travaux Publics et Services Gouvernementaux Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

Public Works and Government Services Canada - Pacific
Region

219 - 800 Burrard Street

800, rue Burrard, pièce 219

Vancouver, BC V6Z 0B9

Title - Sujet Airport Runway Sweeper	
Solicitation No. - N° de l'invitation T7054-170037/A	Date 2018-08-24
Client Reference No. - N° de référence du client T7054-170037	
GETS Reference No. - N° de référence de SEAG PW-\$VAN-531-8420	
File No. - N° de dossier VAN-8-41105 (531)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-10-09	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
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: Mak, Goretti M.	Buyer Id - Id de l'acheteur van531
Telephone No. - N° de téléphone (604) 363-0582 ()	FAX No. - N° de FAX (604) 775-7526
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF TRANSPORT Penticton Airport 3000 AIRPORT Road, #109 PENTICTON British Columbia V2A 8X1 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	2
1.1 SECURITY REQUIREMENT.....	2
1.2 REQUIREMENT.....	2
1.3 DEBRIEFINGS.....	2
1.4 TRADE AGREEMENTS	2
PART 2 - BIDDER INSTRUCTIONS	2
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS.....	2
2.2 SUBMISSION OF BIDS.....	2
2.3 ENQUIRIES - BID SOLICITATION.....	3
2.4 APPLICABLE LAWS.....	3
PART 3 - BID PREPARATION INSTRUCTIONS.....	3
3.1 BID PREPARATION INSTRUCTIONS	3
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	5
4.1 EVALUATION PROCEDURES.....	5
4.2 BASIS OF SELECTION.....	6
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	7
5.1 CERTIFICATIONS REQUIRED WITH THE BID.....	7
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	7
PART 6 - RESULTING CONTRACT CLAUSES	8
6.1 SECURITY REQUIREMENTS	8
6.2 REQUIREMENT	8
6.3 STANDARD CLAUSES AND CONDITIONS.....	8
6.4 TERM OF CONTRACT	8
6.5 AUTHORITIES	8
6.6 PAYMENT	9
6.7 INVOICING INSTRUCTIONS	10
6.8 CERTIFICATIONS.....	10
6.9 APPLICABLE LAWS.....	10
6.10 PRIORITY OF DOCUMENTS	10
6.11 SACC MANUAL CLAUSES.....	10
6.12 WARRANTY – CONTRACTOR RESPONSIBLE FOR ALL COSTS.....	11
ANNEX "A"	12
REQUIREMENT.....	12
ANNEX "B"	17
BASIS OF PAYMENT	17
ANNEX "C" TO PART 3 OF THE BID SOLICITATION	18
ELECTRONIC PAYMENT INSTRUMENTS.....	18
FORM A – BID SUBMISSION FORM	19
FORM B: SUBSTANTIATION OF TECHNICAL COMPLIANCE FORM.....	20

PART 1 - GENERAL INFORMATION

1.1 Security Requirement

There is no security requirement applicable to this requirement.

1.2 Requirement

The requirement is detailed under Article 2 of the resulting contract clauses.

1.3 Debriefings

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

1.4 Trade Agreements

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

1.5 epost Connect service

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

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The [2003](#) (2018-05-22) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days

Insert: 180 days

2.2 Submission of Bids

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

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

2.2.1 Improvement of Requirement During Solicitation Period

Should bidders consider that the specifications or Statement of Work 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 20 days before the bid closing date. Canada will have the right to accept or reject any or all suggestions.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 14 calendar days before the bid closing date. Enquiries received after that time may not be answered.

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

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in British Columbia.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

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

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications

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

Section I: Technical Bid (2 hard copy)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (1 hard copy)

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

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

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

Canada requests that Bidders follow the format instructions described below in the preparation of 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) (<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.

The technical bid consists of the following:

- i. **Bid Submission Form:** Bidders are requested to include the Bid Submission Form with their bids. It provides a common form in which bidders can provide information required for evaluation and contract award, such as a contact name, the Bidder's Procurement Business Number, the Bidder's status under the Federal Contractors Program for Employment Equity, etc. Using the form to provide this information is not mandatory, but it is recommended. If Canada determines that the information required by the Bid Submission Form is incomplete or requires correction, Canada will provide the Bidder with an opportunity to do so.
- ii. **Substantiation of Technical Compliance:** The technical bid must substantiate the compliance of the Bidder and its proposed solution with the specific articles of Annex A (Requirement) identified in the Substantiation of Technical Compliance Form, which is the requested format for providing the substantiation. The Substantiation of Technical Compliance Form is not required to address any parts of this bid solicitation not referenced in the form. The substantiation must not simply be a repetition of the requirement(s), but must explain and demonstrate how the Bidder will meet the requirements and carry out the required Work. Simply stating that the Bidder or its proposed solution or product complies is not sufficient.

Bidders:

- a Must designate the brand name, model and/or part number of the proposed product; and
- b Must provide complete specifications and descriptive literature to substantiate that the proposed product's meets the mandatory requirements that are specified in the bid solicitation (Form B)

Where Canada determines that the substantiation is not complete, the Bidder will be declared non-responsive and disqualified. The substantiation may refer to additional documentation

submitted with the bid - this information can be referenced in the "Reference" column of the Substantiation of Technical Compliance Form, where bidders are requested to indicate where in the bid the reference material can be found, including the title of the document, and the page and paragraph numbers; where the reference is not sufficiently precise, Canada may request that the Bidder direct Canada to the appropriate location in the documentation.

In conducting its evaluation of the bids, Canada may, but will have no obligation to, request bidders to demonstrate, at the sole cost of bidders, that the proposed product meets all mandatory criteria that are specified in the bid solicitation.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

3.1.4 Electronic Payment of Invoices - Bid

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

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

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

3.1.5 Exchange Rate Fluctuation

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

Section III: Certifications

Bidders must submit the certifications required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

All bids must be completed in full and provide all of the information requested in the bid solicitation to enable full and complete evaluation.

4.1.1.1 Mandatory Technical Criteria

Each bid will be reviewed to determine whether it meets the mandatory requirements of the bid solicitation. Any element of the bid solicitation identified with the words "must" or "mandatory" is a mandatory requirement. Bids that do not comply with each and every mandatory requirement will be declared non-responsive and be disqualified.

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

a. Bidders **must** show compliance by addressing each performance specification in the Substantiation of Technical Compliance Form, whether the product offered "meets" or "doesn't meet".

b. Bidders are requested to indicate how they meet each performance specification by recording this information under the Performance Specification Offered column in the Substantiation of Technical Compliance Form.

c. It is requested that supporting technical documentation, including but not limited to, specification sheets, technical brochures, photographs or illustrations be provided with the bid at solicitation close and be cross-referenced on the Substantiation of Technical Compliance Form for each performance specification to outline where in the supporting technical documentation it demonstrates compliance. It is the Bidders responsibility to ensure that the submitted supporting technical documentation provides detail to prove that the proposed product(s) meet the requirements of the Performance Specification. If published supporting technical document is not available, the Bidder should prepare a written narrative complete with a detailed explanation of how its bid demonstrates technical compliance.

4. If the supporting documentation referenced above has not been provided at bid closing, the Contracting Authority will notify the Bidder that they must provide supporting documentation within two (2) business days following notification. Failure to comply with the request of the Contracting Authority within that time period, will deem the bid non-responsive and the bid will be given no further consideration.

The mandatory technical requirements are described in Annex A.

4.1.2 Financial Evaluation

Evaluation of Price – Bid

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

For evaluation purposes, the Total Bid Price using the pricing tables completed by the bidders will be calculated as follows:

Initial Order:

Bidders must quote a firm unit pricing. FOB destination inclusive of all delivery charges, Unit pricing must include all customs duties and sales taxes extra.

Optional Goods:

Bidders must quote firm unit prices for the optional goods, FOB destination inclusive of all delivery and unloading charges, detailed in Annex B.

Blank Prices: Bidders are requested to insert "\$0.00" for any item for which it does not intend to charge or for items that are already included in other prices set out in the tables. If the Bidder leaves any price blank, Canada will treat the price as "\$0.00" for evaluation purposes and may request that the Bidder confirm that the price is, in fact, \$0.00. No bidder will be permitted to add or change a price as part of this confirmation. Any bidder who does not confirm that the price for a blank item is \$0.00 will be declared non-responsive.

4.2 Basis of Selection

4.2.1 Basis of Selection – Mandatory Technical Criteria

SACC Manual Clause A0031 (2010-08-16), Basis of Selection – Mandatory Technical Criteria

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Requirement

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

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2010A (2018-06-21), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Optional Good and/or Services

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex B of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

6.4 Term of Contract

6.4.1 Delivery

6.4.1.1 Delivery Date (Initial Order)

All the deliverables must be received on or before. _____, 2018.

6.4.1.2 Complete Delivery (Optional Goods)

The Contractor must make the complete delivery within _____ calendar days from the effective date of the Contract (date of order).

6.4.1.3 Shipping Instructions – Free on Board Destination

Goods must be consigned and delivered to the destination specified in the contract:

FOB Destination,

Transport Canada
Penticton Airport
3000 Airport Road
Penticton, BC V2A 8X1

including all delivery charges and customs duties and Applicable Taxes. Sales Taxes are extra.

6.4.2 Delivery and Unloading

SACC Manual clause D0018C (2007-11-30) Delivery and Unloading

6.5 Authorities

6.5.1 Contracting Authority

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

The Contracting Authority for the Contract is:

Goretti Mak
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch
Room 219 - 800 Burrard Street,
Vancouver, B.C. V6Z 0B9

Telephone: 604-363-0582 Facsimile: 604-353-0582
E-mail address: Goretti.Mak@pwgsc-tpsgc.gc.ca

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

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-____ Facsimile: ____-____-____
E-mail: _____

The Technical Authority named above is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-____ Facsimile: ____-____-____
E-mail: _____

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price, as specified in Annex B for a cost of \$_____ (insert the amount at contract award). Customs duties are included and Applicable Taxes are extra.

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

6.6.2 Limitation of Price

SACC Manual clause C6000C (2017-08-17) Limitation of Price

6.6.3 Method of Payment

SACC Manual clause H1000C (2008-05-12) Single Payment

6.6.4 Electronic Payment of Invoices – Contract

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

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

6.8 Certifications

6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in _____. (Insert the name of the province or territory as specified by the Bidder in its bid, if applicable)

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2018-06-21) General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____ (insert date of bid) (If the bid was clarified or amended, insert at the time of contract award: “, as clarified on _____” or “, as amended on _____” and insert date(s) of clarification(s) or amendment(s))

6.11 SACC Manual Clauses

SACC Manual clause B1501C (2018-06-21) Electrical Equipment

SACC Manual clause B7500C (2016-06-16) Excess Goods

6.12 Warranty – Contractor responsible for all costs

Section 09 entitled Warranty of general conditions 2010A is amended by deleting subsection 2 in its entirety and replacing it 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.

All other provisions of the warranty section remain in effect.

ANNEX "A"

REQUIREMENT

To supply and deliver to Transport Canada, Penticton Airport a medium duty runway sweeper with a minimum (14 ft x 36 inch) broom, and a minimum air blower output rating of 10,000CFM and other accessories customarily furnished and installed on this unit, whether specified herein or not, to function reliably and efficiently under all conditions of service. This sweeper is intended to replace the current sweeper in use at the Airport.

Transport Canada will also consider a RE-LIFE unit. In this case the Bidder is to provide the Sweeper Core or Superstructure to be Re-Lifed. The Re-Life unit must meet, as a minimum, the original performance and capacity specifications in every respect. All parts used in the Re-Life must meet or exceed the specification function of the original equipment, and must be readily available.

Item #	Performance Specification
1.00	Part 1 General Performance Specifications
1.10	Capable of operating at 40 km/h
1.20	Minimum 14ft broom
1.30	Minimum 250 continuous HP engine
1.40	Minimum 10,000 CFM air blower
1.50	Diagnostic tool as required by the engine provided
1.60	Sweeper
1.6.1	Must be a towed type runway sweeper
1.6.2	Hydraulics must be closed loop hydrostatic drive
1.6.3	All bushings, pivot points, and any moving parts subject to wear shall be sealed against ingress of dirt and moisture and fitted with a means of lubrication
1.6.4	The sweeper must be towed in line with the truck. The design must be a tricycle type with a swivel front wheel
1.6.5	Designed to operate in ambient conditions from -50 to +30 C
1.6.6	Must be capable of operating on concrete and asphalt surfaces at full rated capacities
1.6.7	Capable of completing a turn within a 12.2 m (40 ft.) diameter circle
1.6.8	The mean time between maintenance must exceed two hundred (200) hours of operation
1.6.9	Capable of operating a minimum of 24 hours without adjustment (other than brush pattern) and lubrication
1.70	Performance
1.7.1	The sweeper must be capable of operating without broom bounce or wheel shimmy up to 20 km/h with any broom pattern
1.7.2	The broom speed must be variable between 0 to 550 RPM at governed engine RPM
1.7.3	The broom must have a minimum sweeping width of 3.6 m (12ft) at a 30 degree broom angle
1.7.4	The sweeper must be capable of removing a minimum of 80 % of the slush and snow left by plows at 20 km/hr
1.7.5	The sweeper must be capable of sweeping deposits of dry sand, dust, water and other light debris from runway surfaces at full sweeping speed of 20 km/hr
1.80	Dimensions
1.8.1	The maximum overall length, from tow eye to rear of the sweeper, must not exceed 11.2 m (36.5 feet)
1.8.2	The maximum overall width with broom centered must not exceed 4.9 m (16 feet)
1.8.3	With a new broom installed there must be a minimum of 100 mm (4 in) ground clearance with the broom in the raised (traveling) position

Item #	Performance Specification
1.8.4	The maximum overall height of all components to be 2.5 m (8' feet)
1.90	Engine
1.9.1	The engine must be a liquid cooled diesel
1.9.2	The engine must have a minimum of 250 Hp continuous rating
1.9.	Provide a two stage, dry type, air cleaner
1.9.4	Provide a coolant filter with replaceable element
1.9.5	Provide a heated engine fuel filter/water separator, complete with a glass bowl, and a replaceable element
1.9.6	Provide a thermostatically controlled fan clutch if non-intercooled engine
1.9.7	Provide silicon hoses with the appropriate spring type clamps
1.9.8	Provide a severe duty radiator capable of withstanding the sweeper vibration
1.9.9	Provide electric Engine coolant and hydraulic oil heaters. The heater is to be complete with a conveniently located bulkhead exterior receptacle
1.9.10	Provide a vertical exhaust complete with a muffler and an elbow or rain cap
1.9.11	The engine must be equipped with automatic shut down for all of the following conditions; low engine oil pressure, engine coolant high temperature
1.9.12	Provide 120-volt 1250-watt engine coolant heater
1.10	Tow Bar
1.10.1	The sweeper must be equipped with a tow bar
1.10.2	The tow bar must incorporate a 360 degree swivel castor idle wheel identical to the sweeper chassis tire
1.10.3	must be complete with a replaceable tow eye "Holland DB-1250-15" or approved equivalent
1.10.4	Provide a minimum of two safety chains with safety hooks
1.10.5	tow arm length is to be kept to a minimum while providing the maximum truck turning radius
1.11	Cowling
1.11.1	Provide a durable enclosure. which protects the major components from the elements
1.11.2	The enclosure must have doors on a minimum of two sides. The doors must be large enough to allow for maintenance and servicing of all components with ease.
1.11.3	The top of the1 cowling must either fold open or be easily removed to allow the engine to be easily removed from the sweeper.
1.11.4	Cowling must have positive latching mechanism to secure the doors in the closed position
1.11.5	Provide an easy positive mechanical means of holding the doors (and roof if folding type) open
1.11.6	Provide a light(s) to illuminate the enclosure to allow work to be performed at night
1.12	Fuel Tank
1.12.1	Provide a minimum 246 litre minimum capacity fuel tank.
1.12.2	The filler must be located in an accessible position away from the accumulation of dust and snow
1.12.3	The filler must be marked "Diesel Fuel Only" in minimum 1 in letters
1.13	Electrical System
1.13.1	The sweeper must be equipped with a 12 volt electrical and starting system
1.13.2	Provide a minimum of two batteries having a total minimum of 1500 CCA.
1.13.3	Provide an engine cowl mounted amber light. Whelen RB6PAPS or equivalent.
1.13.4	Provide a minimum of two spotlights capable of illuminating the broom and drive train.
1.13.5	Provide rear stop, and tail lamps, which are waterproof and shockproof
1.13.6	All wiring is to be installed inside of loom. All loom is to be protected from damage and to be complete with sufficient frame connectors.
1.13.7	The wiring must be colour coded or marked every 6 inches with a permanent identification. Circuit identification markers must be attached to each end of the wire.

Item #	Performance Specification
1.13.8	All circuits must be protected with manual reset circuit breakers which are to be located in a common area at the control panel.
1.14	Broom Drive
1.14.1	The broom can be mechanically driven or via a closed loop hydrostatic system from both ends of the broom core.
1.15	Broom frame
1.15.1	The broom frame must be supported on two or more caster wheels. The caster wheels must swivel 360 degrees
1.15.2	The castor wheels must be complete with a mechanical brake to prevent wheel shimmy up to 50 km/h.
1.15.3	The broom must be complete with a cover and a hydraulically adjustable deflector cover over the front of the broom designed to minimize the accumulation of snow
1.15.4	broom cover must include a replaceable broom stripper bar, vertically adjustable
1.15.5	Broom frame must be designed to withstand the weight of the broom with a full set of steel wafers and a full snow load on the cover.
1.15.6	The brooms stops shall be sufficiently designed to withstand the full dynamic loading of the broom hydraulic angling cylinders.
1.16	Broom
1.16.1	Minimum 4.2 m (13.75 ft.) wide horizontal rotating broom
1.16.2	The broom core is to be 10.75 in diameter
1.16.3	Provide a complete set of steel broom wafers with spacers. Convoluted wafers are not acceptable.
1.16.4	The broom shall be complete with bearings and supports at both ends. The bearings must be easy replaceable. The bearings must be complete with easily accessible grease points
1.16.5	The broom must have a minimum of 100 mm (4 in) ground clearance with new broom wafers installed
1.16.6	The broom must be complete with a mechanical positive locking pattern adjuster
1.16.7	The broom pattern adjuster must be located in a safe convenient location for the operator
1.16.8	The pattern adjuster must be capable of setting any broom pattern from 25 mm {1in} to 254 mm {10 in} at any stage of broom wear
1.17	Air Blower
1.17.1	Provide an air blower to clean the residue left from the broom assembly
1.17.2	The air blower is to have a minimum output capacity of 10,000CFM at the blower outlet.
1.17.3	The air blower nozzles direction must be fully adjustable, left and right
1.17.4	The air outlet velocity must be a minimum of 500 KPH {320 MPH}.
1.17.5	The nozzle(s) must be capable of being lowered to a minimum of 4 in off the runway surface.
1.17.6	The nozzle must raise automatically to a minimum of 203 mm (8inches) from the ground level when the broom is raised to transport position.
1.17.7	The blower air inlet must be protected from ingesting snow and ice
1.17.8	The sweeper must be designed to prevent the formation of ice in the blower outlet shaft(s). The nozzle must have the smallest cross sectional area of the outlet shafts.
1.17.9	The nozzle(s) must be equipped with a means of hydraulic adjustment to allow the sweeper to be used to clean the runway lights
1.18.0	Hydraulic System
1.18.1	Provide a hydraulic pump, which must be positive mechanical drive.
1.18.2	Provide a hydraulic tank, which has a minimum capacity of 45 litres. The hydraulic tank must be complete with a breather extended into the sweeper engine compartment, shielded to prevent the ingress of water, dirt and snow.
1.18.3	A method must be provided to allow the broom to be raised in the event of a hydraulic pump

Item #	Performance Specification
	failure
1.18.4	The hydraulic system is to include adequate filtration (with replaceable filters), pressure control and relief devices, and other equipment to ensure safe operation
1.18.5	The hydraulic fluid is to have a minimum pour point of minus 40 degrees Celsius
1.18.6	Hydraulics shall control the angling and the elevation of the broom and the air nozzle assemblies
1.18.7	All electro hydraulic valves, controls, and components shall be heavy duty industrial type sealed against the ingress of water, dirt, moisture, etc., and shall be suitable for the application
1.18.8	All hydraulic lines shall be secured to the frame and shall be installed to prevent chaffing and damage during sweeper use
1.18.9	Provide 120 volt, 150-watt hydraulic tank heater
1.19.0	Axles
1.19.1	The axle is to be a heavy duty type rated for a minimum of 125 percent of the maximum imposed axle loads
1.20	Wheels and Tires
1.20.1	The tires and wheels weight rating must be a minimum of the axle rating.
1.20.2	Replacement tires must be available from one of the major tire manufacturers and must be available at any of the manufacturer's outlets in Canada.
1.20.3	The maximum tire load shall be 500 lb. per inch of tread width
1.20.4	The castor wheels shall be designed to eliminate any wheel shimmy, while allowing enough free movement to always run parallel to the sweeper axis.
1.20.5	The castor wheels shall be designed to be easily removed and replaced
1.20.6	Must provide (1) complete spare tire (wheel and tire assembly) that fits both the front low castor and rear axle
1.20.7	Must provide (1) complete spare tire (wheel and tire assembly) that fits castor wheels mounted on broom head
1.21	Instrument Panel
1.21.1	Must have a lockable weatherproof instrument panel located on one side of the engine cowl.
1.21.2	The minimum gauges to be supplied are; voltmeter, oil pressure, coolant temp, hour meter, and fuel gauge.
1.21.3	All gauges are to be dust, moisture, and shock proof. All gauges are to include lights for night operation
1.21.4	The minimum switches to be supplied are; engine stop and start, engine speed control, and flood light switch
1.21.5	The control panel is to include lights for night operation. A warning light, indicating
1.22	Remote Control
1.22.1	allow the sweeper to be operated from the cab of the truck
1.22.2	The minimum gauges and controls to be supplied are; tachometer, variable broom and air blower speed controls, engine emergency stop. Elevation and broom angle controls for the broom and air nozzles
1.22.3	The wiring (cable) for the remote box is to be complete with two sets of pin type connectors. One is to be located at the control box. The second connector is to be located 1.5 m (5 ft.) from the tow eye. Provide a minimum of 12.2 m (40ft) of cable between the two connectors.
1.22.4	The cable is to be weather proof, ultraviolet resistant and is to be designed for the purpose intended.
1.22.5	Provide a weather resistant box, mounted on the tongue, to store the control box when not in use

Item #	Performance Specification
1.23	Painting
1.23.1	The sweeper is to be primed and painted a minimum of two coats of epoxy type paint, DuPont Imron or equivalent. Finished paint colour to be N1452-HP Orange, Imron 5000 3.5 VOC
1.24	Instruction Identification
1.24.1	Provide permanently installed ISO or bilingual written instructions, diagrams and warning plates, where required to ensure efficient operation and servicing with maximum safety
1.A.1	Part 1.A: OPERATING CONDITIONS
1.A.2	Must operate continuously for a period of 24 hours at a speed of 40 km/h, with a broom pattern setting of 76 mm (3 in).
1.A.3	Sweeper must not experience any broom bounce, or wheel shimmy when removing up to 13 mm (1/2 in) of snow/slush or FOD at 40 km/h.
2.00	Part 2: Delivery, Installation, Inspection, Packaging
2.10	Pre-delivery service shall be completed by the sweeper manufacturer at time of delivery
2.20	The unit shall be delivered with a maximum of 50 hrs. of engine operation
2.30	Sweeper must be thoroughly tested, inspected, and all deviations are to be corrected prior to delivery
2.4	Consignee reserves the right to inspect the sweeper at any stage of production and have all deviations corrected upon request
2.50	A final inspection shall be completed by the consignee at the destination point.
3.00	Part 3: Documentation and Manuals
3.10	Provide 2 English copies of the manufacturer's overall maintenance manuals indicating the proper maintenance procedure for all component installations
3.20	Provide 2 English copies of the parts manuals. All parts manuals MUST list each of the individual components.
3.30	Provide 2 English copies of the maintenance and parts manuals, supplied by the respective manufacturer (OEM), for each of the major components installed in the sweeper
3.40	Provide 2 English copies of the operators manual
4.00	Part 4: Quality Assurance
4.1	Contractor must obtain component certification from manufacturer, for any of the items Installed on the sweeper upon request
4.2	Bidder must provide proof of status as an authorized reseller of the equipment proposed
5.00	Part 5: Warranty
5.1	Unconditional warranty on all major components {engine, axles, gear boxes, differentials, air blower and broom drive systems} and repair labor for a minimum of 1500 HRS or 24 months, from the date the unit is initiated into service.
5.2	Parts and labor warranty on all the non-major components of the sweeper for a minimum of 18 months or 1000 HRS, from the date the unit is initiated into service
5.3	Warranty to include all failures attributed to the lack of, or improper installation of fall-safe mechanisms
5.4	Contractor will specify the dealer responsible for performing any required warranty repairs
5.5	If requested warranty repairs have not commenced within a 24 hour period following notification, The consignee reserves the right to complete repairs and bill the selling agent for the repair parts and labour in accordance with their standard repair time and rate

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

ANNEX "B"

BASIS OF PAYMENT

Prices quoted to be Firm Lot Price, FOB Destination, including all delivery and offloading charges in accordance with the Requirement at Annex A. Customs duties are included and Applicable Taxes are extra. GST/HST is to be shown as a separate item on any resulting invoice.

Table B1 – Initial Order

Item	Description	Qty	Firm Unit Price	Extended total
B1.1	Airport Runway Sweeper Make and Model _____	1	\$	\$
B1.2	One year on-site warranty	1	\$	\$
B1.3	Delivery, including all freight and offloading charges FOB – Penticton Airport, BC	Lot	\$	\$
	Total B1			\$

Table B2 – Optional Goods

Price are FOB Destination inclusive of all customs duties and sales taxes are extra.

Item	Description	Firm Unit Price
B2.1	one spare replacement broom core with brushes and spacers	\$
B2.2	3 complete sets of brushes (in boxes) in addition to the broom core	\$
B2.3	4 broom core carts for storage and change over	\$
B2.4	3 complete sets of all filters used on the equipment	\$

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

ANNEX "C" to Part 3 of the Bid Solicitation

ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ☐ () VISA Acquisition Card;
- ☐ () MasterCard Acquisition Card;
- ☐ () Direct Deposit (Domestic and International);
- ☐ () Electronic Data Interchange (EDI);
- ☐ () Wire Transfer (International Only);
- ☐ () Large Value Transfer System (LVTS) (Over \$25M)

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

FORM A – Bid Submission Form

BID SUBMISSION FORM		
Bidder's full legal name		
Authorized Representative of Bidder for evaluation purposes (e.g., clarifications)	Name	
	Title	
	Address	
	Telephone #	
	Fax #	
	Email	
Bidder's Procurement Business Number (PBN) <i>[see the Standard Instructions 2003]</i>		
Jurisdiction of Contract: Province in Canada the bidder wishes to be the legal jurisdiction applicable to any resulting contract (if other than as specified in solicitation)		
Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder . Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s). Bidders bidding as societies, firms, or partnerships do not need to provide lists of names.		
<p>On behalf of the Bidder, by signing below, I confirm that I have read the entire bid solicitation including the documents incorporated by reference into the bid solicitation and I certify that:</p> <ol style="list-style-type: none">1. The Bidder considers itself and its products able to meet all the mandatory requirements described in the bid solicitation;2. This bid is valid for the period requested in the bid solicitation;3. All the information provided in the bid is complete, true and accurate; and4. If the Bidder is awarded a contract, it will accept all the terms and conditions set out in the resulting contract clauses included in the bid solicitation.		
Signature of Authorized Representative of Bidder		Date

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

FORM B: Substantiation of Technical Compliance Form

1. Bidders must identify compliance to all the mandatory specifications identified in the Form below.
2. Bidders must provide information and technical documentation as identified in the right column of the form below.
3. Bidders responses note as "approximately" will be interpreted as "ACTUAL".

Requirement	Manufacturer Offered	Model Number Offered
Medium Duty Runway Sweeper		

Item #	Performance Specification	Status (M) Mandatory (D) Desirable	Performance Specification Met? Indicate either Yes/No	Performance Specification Offered: Bidder should indicate how they meet the performance specification by recording this information in this column	Cross Reference: In this column, Bidders should cross-reference where this performance specification is indicated in their supporting documents.
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Is this a "Re-life" unit? Yes ____ or No ____

The Re-Life unit must meet, as a minimum, the original performance and capacity specifications in every respect.
All parts used in the Re-Life must meet or exceed the specification / function of the original equipment,
and must be readily available.

If yes, Bidder must provide OEM certification that the above criteria is met.

1.00	Part 1: GENERAL PERFORMANCE SPECIFICATIONS				
1.10	Capable of operating at 40 km/h	M			
1.20	Minimum 14ft broom	M			
1.30	Minimum 250 continuous HP engine	M			
1.40	Minimum 10,000 CFM air blower	M			
1.50	Diagnostic tool as required by the engine provided	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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1.60	Sweeper				
1.6.1	Must be a towed type runway sweeper	M			
1.6.2	Hydraulics must be closed loop hydrostatic drive	M			
1.6.3	All bushings, pivot points, and any moving parts subject to wear shall be sealed against ingress of dirt and moisture and fitted with a means of lubrication	M			
1.6.4	The sweeper must be towed in line with the truck. The design must be a tricycle type with a swivel front wheel	M			
1.6.5	Designed to operate in ambient conditions from -50 to +30 C	M			
1.6.6	Must be capable of operating on concrete and asphalt surfaces at full rated capacities	M			
1.6.7	Capable of completing a turn within a 12.2 m (40 ft.) diameter circle	M			
1.6.8	The mean time between maintenance must exceed two hundred (200) hours of operation	M			
1.6.9	Capable of operating a minimum of 24 hours without adjustment (other than brush pattern) and lubrication	M			
1.70	Performance				
1.7.1	The sweeper must be capable of	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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	operating without broom bounce or wheel shimmy up to 20 km/h with any broom pattern				
1.7.2	The broom speed must be variable between 0 to 550 RPM at governed engine RPM	M			
1.7.3	The broom must have a minimum sweeping width of 3.6 m (12ft) at a 30 degree broom angle	M			
1.7.4	The sweeper must be capable of removing a minimum of 80 % of the slush and snow left by plows at 20 km/hr	M			
1.7.5	The sweeper must be capable of sweeping deposits of dry sand, dust, water and other light debris from runway surfaces at full sweeping speed of 20 km/hr	M			
1.80	Dimensions				
1.8.1	The maximum overall length, from tow eye to rear of the sweeper, must not exceed 11.2 m (36.5 feet)	M			
1.8.2	The maximum overall width with broom centered must not exceed 4.9 m (16 feet)	M			
1.8.3	With a new broom installed there must be a minimum of 100 mm (4 in) ground clearance with the broom in the raised (traveling) position	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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1.8.4	The maximum overall height of all components to be 2.5 m (8' feet)	M			
1.90	Engine				
1.9.1	The engine must be a liquid cooled diesel	M			
1.9.2	The engine must have a minimum of 250 Hp continuous rating	M			
1.9.	Provide a two stage, dry type, air cleaner	M			
1.9.4	Provide a coolant filter with replaceable element	M			
1.9.5	Provide a heated engine fuel filter/water separator, complete with a glass bowl, and a replaceable element	M			
1.9.6	Provide a thermostatically controlled fan clutch if non-intercooled engine	M			
1.9.7	Provide silicon hoses with the appropriate spring type clamps	M			
1.9.8	Provide a severe duty radiator capable of withstanding the sweeper vibration	M			
1.9.9	Provide electric Engine coolant and hydraulic oil heaters. The heater is to be complete with a conveniently located bulkhead exterior receptacle	M			
1.9.10	Provide a vertical exhaust complete with a muffler and an elbow or rain cap	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

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1.9.11	The engine must be equipped with automatic shut down for all of the following conditions; low engine oil pressure, engine coolant high temperature	M			
1.9.12	Provide 120-volt 1250-watt engine coolant heater	M			
1.10	Tow Bar				
1.10.1	The sweeper must be equipped with a tow bar	M			
1.10.2	The tow bar must incorporate a 360 degree swivel castor idle wheel identical to the sweeper chassis tire	M			
1.10.3	must be complete with a replaceable tow eye "Holland DB-1250-15" or approved equivalent	M			
1.10.4	Provide a minimum of two safety chains with safety hooks	M			
1.10.5	tow arm length is to be kept to a minimum while providing the maximum truck turning radius	M			
1.11	Cowling				
1.11.1	Provide a durable enclosure. which protects the major components from the elements	M			
1.11.2	The enclosure must have doors on a minimum of two sides. The doors must be large enough to allow for maintenance and servicing of all	M			

Sollicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

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	components with ease.				
1.11.3	The top of the 1 cowl must either fold open or be easily removed to allow the engine to be easily removed from the sweeper.	M			
1.11.4	Cowling must have positive latching mechanism to secure the doors in the closed position	M			
1.11.5	Provide an easy positive mechanical means of holding the doors (and roof if folding type) open	M			
1.11.6	Provide a light(s) to illuminate the enclosure to allow work to be performed at night	M			
1.12	Fuel Tank				
1.12.1	Provide a minimum 246 litre minimum capacity fuel tank.	M			
1.12.2	The filler must be located in an accessible position away from the accumulation of dust and snow	M			
1.12.3	The filler must be marked "Diesel Fuel Only" in minimum 1 in letters	M			
1.13	Electrical System				
1.13.1	The sweeper must be equipped with a 12 volt electrical and starting system	M			
1.13.2	Provide a minimum of two batteries having a total minimum of 1500 CCA.	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

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1.13.3	Provide an engine cowl mounted amber light. Whelen RB6PAPS or equivalent.	M			
1.13.4	Provide a minimum of two spotlights capable of illuminating the broom and drive train.	M			
1.13.5	Provide rear stop, and tail lamps, which are waterproof and shockproof	M			
1.13.6	All wiring is to be installed inside of loom. All loom is to be protected from damage and to be complete with sufficient frame connectors.	M			
1.13.7	The wiring must be colour coded or marked every 6 inches with a permanent identification. Circuit identification markers must be attached to each end of the wire.	M			
1.13.8	All circuits must be protected with manual reset circuit breakers which are to be located in a common area at the control panel.	M			
1.14	Broom Drive				
1.14.1	The broom can be mechanically driven or via a closed loop hydrostatic system from both ends of the broom core.	M			
1.15	Broom frame				
1.15.1	The broom frame must be	M			

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	supported on two or more caster wheels. The caster wheels must swivel 360 degrees				
1.15.2	The castor wheels must be complete with a mechanical brake to prevent wheel shimmy up to 50 km/h.	M			
1.15.3	The broom must be complete with a cover and a hydraulically adjustable deflector cover over the front of the broom designed to minimize the accumulation of snow	M			
1.15.4	broom cover must include a replaceable broom stripper bar, vertically adjustable	M			
1.15.5	Broom frame must be designed to withstand the weight of the broom with a full set of steel wafers and a full snow load on the cover.	M			
1.15.6	The brooms stops shall be sufficiently designed to withstand the full dynamic loading of the broom hydraulic angling cylinders.	M			
1.16	Broom				
1.16.1	Minimum 4.2 m (13.75 ft.) wide horizontal rotating broom	M			
1.16.2	The broom core is to be 10.75 in diameter	M			
1.16.3	Provide a complete set of steel	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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	broom wafers with spacers. Convolute wafers are not acceptable.				
1.16.4	The broom shall be complete with bearings and supports at both ends. The bearings must be easy replaceable. The bearings must be complete with easily accessible grease points	M			
1.16.5	The broom must have a minimum of 100 mm (4 in) ground clearance with new broom wafers installed	M			
1.16.6	The broom must be complete with a mechanical positive locking pattern adjuster	M			
1.16.7	The broom pattern adjuster must be located in a safe convenient location for the operator	M			
1.16.8	The pattern adjuster must be capable of setting any broom pattern from 25 mm {1in) to 254 mm {10 in) at any stage of broom wear	M			
1.17	Air Blower				
1.17.1	Provide an air blower to clean the residue left from the broom assembly	M			
1.17.2	The air blower is to have a minimum output capacity of 10,000CFM at the blower outlet.	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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1.17.3	The air blower nozzles direction must be fully adjustable, left and right	M			
1.17.4	The air outlet velocity must be a minimum of 500 KPH {320 MPH}.	M			
1.17.5	The nozzle(s) must be capable of being lowered to a minimum of 4 in off the runway surface.	M			
1.17.6	The nozzle must raise automatically to a minimum of 203 mm (8inches) from the ground level when the broom is raised to transport position.	M			
1.17.7	The blower air inlet must be protected from ingesting snow and ice	M			
1.17.8	The sweeper must be designed to prevent the formation of ice in the blower outlet shaft(s). The nozzle must have the smallest cross sectional area of the outlet shafts.	M			
1.17.9	The nozzle(s) must be equipped with a means of hydraulic adjustment to allow the sweeper to be used to clean the runway lights	M			
1.18.0	Hydraulic System				
1.18.1	Provide a hydraulic pump, which must be positive mechanical drive.	M			
1.18.2	Provide a hydraulic tank, which has	M			

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	a minimum capacity of 45 litres. The hydraulic tank must be complete with a breather extended into the sweeper engine compartment, shielded to prevent the ingress of water, dirt and snow.				
1.18.3	A method must be provided to allow the broom to be raised in the event of a hydraulic pump failure	M			
1.18.4	The hydraulic system is to include adequate filtration (with replaceable filters), pressure control and relief devices, and other equipment to ensure safe operation	M			
1.18.5	The hydraulic fluid is to have a minimum pour point of minus 40 degrees Celsius	M			
1.18.6	Hydraulics shall control the angling and the elevation of the broom and the air nozzle assemblies	M			
1.18.7	All electro hydraulic valves, controls, and components shall be heavy duty industrial type sealed against the ingress of water, dirt, moisture, etc., and shall be suitable for the application	M			
1.18.8	All hydraulic lines shall be secured to the frame and shall be installed to prevent chaffing and damage during sweeper use	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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1.18.9	Provide 120 volt, 150-watt hydraulic tank heater	M			
1.19.0	Axles				
1.19.1	The axle is to be a heavy duty type rated for a minimum of 125 percent of the maximum imposed axle loads	M			
1.20	Wheels and Tires				
1.20.1	The tires and wheels weight rating must be a minimum of the axle rating.	M			
1.20.2	Replacement tires must be available from one of the major tire manufacturers and must be available at any of the manufacturer's outlets in Canada.	M			
1.20.3	The maximum tire load shall be 500 lb. per inch of tread width	M			
1.20.4	The castor wheels shall be designed to eliminate any wheel shimmy, while allowing enough free movement to always run parallel to the sweeper axis.	M			
1.20.5	The castor wheels shall be designed to be easily removed and replaced	M			
1.20.6	Must provide (1) complete spare tire (wheel and tire assembly) that fits both the front low castor and rear axle	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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1.20.7	Must provide (1) complete spare tire (wheel and tire assembly) that fits castor wheels mounted on broom head	M			
1.21	Instrument Panel				
1.21.1	Must have a lockable weatherproof instrument panel located on one side of the engine cowlings.	M			
1.21.2	The minimum gauges to be supplied are: voltmeter, oil pressure, coolant temp, hour meter, and fuel gauge.	M			
1.21.3	All gauges are to be dust, moisture, and shock proof. All gauges are to include lights for night operation	M			
1.21.4	The minimum switches to be supplied are; engine stop and start, engine speed control, and flood light switch	M			
1.21.5	The control panel is to include lights for night operation. A warning light, indicating	M			
1.22	Remote Control				
1.22.1	allow the sweeper to be operated from the cab of the truck	M			
1.22.2	The minimum gauges and controls to be supplied are; tachometer, variable broom and air blower speed controls, engine emergency	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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	stop. Elevation and broom angle controls for the broom and air nozzles				
1.22.3	The wiring (cable) for the remote box is to be complete with two sets of pin type connectors. One is to be located at the control box. The second connector is to be located 1.5 m (5 ft.) from the tow eye. Provide a minimum of 12.2 m (40ft) of cable between the two connectors.	M			
1.22.4	The cable is to be weather proof, ultraviolet resistant and is to be designed for the purpose intended.	M			
1.22.5	Provide a weather resistant box, mounted on the tongue, to store the control box when not in use	M			
1.23	Painting				
1.23.1	The sweeper is to be primed and painted a minimum of two coats of epoxy type paint, DuPont Imron or equivalent. Finished paint colour to be N1452-HP Orange, Imron 5000 3.5 VOC	M			
1.24	Instruction Identification				
1.24.1	Provide permanently installed ISO or bilingual written instructions, diagrams and warning plates, where	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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	required to ensure efficient operation and servicing with maximum safety				
1.A.1	Part 1.A: OPERATING CONDITIONS				
1.A.2	Must operate continuously for a period of 24 hours at a speed of 40 km/h, with a broom pattern setting of 76 mm (3 in).	M			
1.A.3	Sweeper must not experience any broom bounce, or wheel shimmy when removing up to 13 mm (1/2 in) of snow/slush or FOD at 40 km/h.	M			
2.00	Part 2: DELIVERY, INSTALLATION, INSPECTION, PACKAGING				
2.10	Pre-delivery service shall be completed by the sweeper manufacturer at time of delivery	M		All fittings will be lubricated and serviced with all associated products suitable for the climatic conditions in the area the sweeper will operate	
2.20	The unit shall be delivered with a maximum of 50 hrs. of engine operation	M			
2.30	Sweeper must be thoroughly tested, inspected, and all deviations are to be corrected prior to delivery	M			
2.40	Consignee reserves the right to inspect the sweeper at any stage of production and have all deviations corrected upon request	M			
2.50	A final inspection shall be completed by the consignee at the	M			

Sollicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Cliant Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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	destination point.				
3.00	Part 3: DOCUMENTATION & MANUALS				
3.10	Provide 2 English copies of the manufacturer's overall maintenance manuals indicating the proper maintenance procedure for all component installations	M			
3.20	Provide 2 English copies of the parts manuals. All parts manuals MUST list each of the individual components.	M			
3.30	Provide 2 English copies of the maintenance and parts manuals, supplied by the respective manufacturer (OEM), for each of the major components installed in the sweeper	M			
3.40	Provide 2 English copies of the operators manual	M			
4.00	Part 4: QUALITY ASSURANCE				
4.1	Contractor must obtain component certification from manufacturer, for any of the items installed on the sweeper upon request	M			
4.2	Bidder must provide proof of status as an authorized reseller of the equipment proposed	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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5.00	Part 5: WARRANTY				
5.1	Unconditional warranty on all major components {engine, axles, gear boxes, differentials, air blower and broom drive systems} and repair labor for a minimum of 1500 HRS or 24 months, from the date the unit is initiated into service.	M			
5.2	Parts and labor warranty on all the non-major components of the sweeper for a minimum of 18 months or 1000 HRS, from the date the unit is initiated into service	M			
5.3	Warranty to include all failures attributed to the lack of, or improper installation of fall-safe mechanisms	M			
5.4	Contractor will specify the dealer responsible for performing any required warranty repairs	M		Provide the name and phone number of the person to be contacted should warranty repairs be required	
5.5	If requested warranty repairs have not commenced within a 24 hour period following notification, The consignee reserves the right to complete repairs and bill the selling agent for the repair parts and labour in accordance with their standard repair time and rate	M			

Solicitation No. - N° de l'invitation
T7054-170037A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur
VAN531

Client Ref. No. - N° de réf. du client
T7054-170037

File No. - N° du dossier
VAN-8-41105

CCC No./N° CCC - FMS No./N° VME

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AVIS AUX FOURNISSEURS: Pour le retour par la poste ou par messenger, veuillez utiliser UNE des étiquettes d'envoi ci-dessous et apposez-la à l'extérieur de votre enveloppe ou du colis contenant votre offre. Assurez-vous que le nom de votre compagnie, l'adresse de retour, le numéro de l'invitation ouverte à soumissionner et la date de clôture soient lisibles à l'extérieur de votre offre.

Bid Receiving
Public Works & Government Services Canada
219 - 800 BARRARD STREET
VANCOUVER BC V6Z 0B9
Attn : Goretti Mak

Solicitation No. : T7054-160037/A

Solicitation Closes at: 2:00 PM PT
on October 9, 2018

Réception des soumissions
Travaux publics et services gouvernementaux Canada
800 rue Burrard, 219
Vancouver (C.-B) V6Z 0B9
Attn : Goretti Mak

N° de l'invitation : T7054-160037/A

La réception des soumissions prend fin le: 9 Octobre, 2018
à: 14:00 PT
