

**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**  
**1550 D'Estimaerville Avenue**  
**1550, Avenue d'Estimaerville**  
**Québec**  
**Québec**  
**G1J 0C7**  
**FAX pour soumissions: (418) 648-2209**

**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> Snowplow Truck	
<b>Solicitation No. - N° de l'invitation</b> T3033-150003/A	<b>Date</b> 2014-05-12
<b>Client Reference No. - N° de référence du client</b> T3033-150003	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$BAL-002-15944	
<b>File No. - N° de dossier</b> BAP-4-37006 (002)	<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 2014-06-23</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Heure Avancée de l'Est HAE
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Larouche, Denise	<b>Buyer Id - Id de l'acheteur</b> bal002
<b>Telephone No. - N° de téléphone</b> (418) 677-4000 (4137)	<b>FAX No. - N° de FAX</b> (418) 677-3288
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> MINISTERE DES TRANSPORTS ZONE 3D (AÉROPORT DE CHEVERY) 700 LEIGH CAPREOL DORVAL Québec H4Y1G7 Canada	

**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**

TPSGC/PWGSC  
BFC Bagotville, CP 380  
CFB Bagotville, PO Box 380  
Bâtiment 62, local 112  
Building 62, Room 112  
Alouette  
Québec  
G0V1A0

<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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**PART 1 - GENERAL INFORMATION****1. Security Requirement**

There is no security requirement applicable to this Request.

**2. Requirement**

Acquisition of a Snow plow Truck With Dump Box accordance with Specifications from Annex "A" attached and forming part of this document.

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

**4. Trade Agreements**

"The requirement is subject to the provisions of the World Trade Organization Agreement on Government Procurement (STO-AGP), the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT)."

## 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

(<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 (2014-03-01) 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: sixty (60) days

Insert: (120) days

#### 1.1 SACC Manual clause

B1000T (2007-11-30), Condition of material

### 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.

Your proposal must be transmitted **by fax to: (418)648-2209 or by mail** to the following address:

#### ➔ Bid Receiving Unit

**Public Works and Government Services Canada (PWGSC)  
1550 d'Estimauville Avenue  
quebec City, Quebec, Canada G1J 0C7**

### **3. Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) 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 question is eliminated, and the enquiry can be answered with copies 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**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in province of Quebec.

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

### 1. Bid Preparation Instructions

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

Section I: Technical Bid ( 1 copy)

Section II: Financial Bid ( 1 copy)

Section III: Certifications (1 copy)

Section IV: Additional Information (1 copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### Section I: Technical Bid

In their technical bid, bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

#### Section II: Financial Bid

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

#### 1. Exchange Rate Fluctuation

SACC Manual Clause C3010T (2013/11/06), Exchange Rte Fluctuation Risk Mitigation

**Section III: Certifications**

Bidders must submit the certifications required under Part 5.

**Section IV: Additional Information****Manufacturer's Standard Warranty Period**

Canada requests that Bidders provide details of the manufacturer's standard warranty period for the vehicles/equipments and its component that exceeds the minimum warranty periods of twelve (12) months. The warranty is described in section 09 of the General Conditions 2010A (2014-03-01).

<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual/3/2010A/11>

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.

## 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 Technical Evaluation

#### 1.1.1 Mandatory Technical Criteria

The bid must meet the mandatory technical criteria specified below. Bidders must provide the necessary documentation to support compliance with this requirement.

Bids which fail to meet the mandatory technical criteria will be declared non-responsive.  
Each mandatory technical criterion should be addressed separately.

Mandatory Technical Criteria	
<b>1</b>	<p>Bidders must propose a plow truck which must not be a prototype or test unit but a standard proven product of the manufacturer and contain reliable state-of-the-art technology.</p> <p>The model of the proposed Snowplow Truck must have been sold two (2) years ago or later from the closing date of this solicitation.</p> <p>➔ <b>Bidders must submit with their bid, the following information for at least one project:</b></p> <ul style="list-style-type: none"> <li>(i) The brand name and model of the snow blower sold;</li> <li>(ii) the date of sale; and</li> <li>iii) the user information: which should include organization name address, contact, telephone, fax and the e-mail address.</li> </ul> <p>The information may be verified with the user to check and certify the accuracy of the information.</p> <p><b>If the user is not available or the information contained in the list do not match the above requirements, the bid will be declared non-responsive.</b></p>



### Mandatory Technical Criteria

2	<p>Although bidders must propose products meeting all technical specifications and components outlined in Annex «A»; at the bid closing date, bids will be evaluated on the preselected technical specifications and components hereafter.</p> <p>➔ To demonstrate that your products meet all technical specifications and components outlined in Annex «A», Bidders <b>should submit with their bid</b>, a copy of complete specifications and descriptive literature (technical documents) of the products offered. The technical documents must be already existing standards documents. The technical documents must not be written specially drafted to this Request For Proposal.</p> <p>In the last column of the following table, bidders should indicate where in their technical documents we can find information on the preselected specifications and technical component of Annex «A»</p>

	Preselected Technical Specifications and Components of Annex «A»	Pages et/or lines of bidders's technical document
a.	Minimum 150 inch and maximum 180 inch wheelbase:	_____
b.	Engine: six (6) cylinder, diesel minimum 330 HP with 1250 (lb-ft) torque:	_____
c.	Traditional manual transmission Fuller 10 gears FR Seriest:	_____
d.	Four -wheel drive:	_____
e.	Front axle with a minimum capacity of 21 000 lbs:	_____
f.	Rear tire paired axle with a minimum capacity of 23 000 lbs, with a differential that can be locked by the driver:	_____
g.	Maximum height must not exceed 11 feet 2 inches:	_____

## 1.2 Financial Evaluation

SACC Manual Clause A0220T (2013/04/25), Evaluation of Price

Solicitation No. - N° de l'invitation

T3033-150003/A

Amd. No. - N° de la modif.

Buyer ID - Id de l'acheteur

ba1002

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

T3033-150003

File No. - N° du dossier

BAP-4-37006

CCC No./N° CCC - FMS No/ N° VME

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## **2. Basis of Selection**

### **2.1**     *A0031T (20130-08-16) Mandatory Criteria*

## **PART 5 - CERTIFICATIONS**

Bidders must provide the required certifications and documentation 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 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 with this request will also render the bid non-responsive or will constitute a default under the Contract.

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

#### **1.1 Code of Conduct and Certifications - Related documentation**

By submitting a bid, the Bidder certifies that the Bidder and its affiliates are in compliance with the provisions as stated in Section 01 Code of Conduct and Certifications - Bid of Standard Instructions 2003. The related documentation therein required 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](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" 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 [Human Resources and Skills Development Canada \(HRSDC\)](#) - Labour's website.

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

## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Requirement

Acquisition of a Snow plow Truck With Dump Box accordance with Specifications from Annex "A" attached and forming part of this document.

### 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 (2014-03-01), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 3. Term of Contract

#### 3.1 Delivery Date

All deliverables, except training, must be received one hundred twenty (120) calendar days after the grant of the contract.

#### 3.2 Training Period

The training must be given no later than 3 weeks after the delivery of goods

#### **4. Authorities**

##### **4.1 Contracting Authority**

The Contracting Authority for the Contract is:

Name: Denise Larouche  
Title: Supply Officer  
Telephone: (418)677-4000 ext. 4137  
E-mail address: denise.larouche@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 Project Authority (to be completed at the contract award)**

The Project Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone : \_\_\_\_ \_\_\_\_ \_\_\_\_\_  
Facsimile: \_\_\_\_ \_\_\_\_ \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Project 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 Project Authority, however the Project 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.

##### **4.3 Offeror's Representative**

Name: \_\_\_\_\_  
Telephone : \_\_\_\_ \_\_\_\_ \_\_\_\_\_  
Facsimile: \_\_\_\_ \_\_\_\_ \_\_\_\_\_  
E-mail address: \_\_\_\_\_

## 5. Payment

### 5.1 Basis of Payment - Firm unit Price

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract,

the Contractor will be paid a firm unit price, as specified in the Annex "B". Custies duties are included and Aplicable Taxes are extra.

Canada will not pay 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.

### 5.2 SACC Manual clause

H1000C (2008-05-12) Single payment

### 5.3 SACC Manual Clauses

C2000C (2007-11-30), Taxes - Foreign-based Contractor

## 6. Invoicing Instructions

The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the General Conditions 2010A. Invoices cannot be submitted until all work identified in the invoice is completed.

## 7. Certifications

### 7.1 Compliance

Compliance with the certifications and related documentation provided by the Contractor in its bid is a condition of the Contract and subject to verification by Canada during the term of the Contract. If the Contractor does not comply with any certification, provide the related documentation 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

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

## 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 general conditions 2010A (2014-03-01) - Goods (Medium Complexity);
- (c) Annex «A», Specifications
- (d) Annex «B», Pricing;
- (e) the Contractor's bid dated \_\_\_\_\_

## 10. SACC Manual Clauses

A9049C (2011-05-16), Vehicle Safety

### 10.1 Preparation, Delivery, and Unloading

- 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.
- 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.

### 10.2 Delivery, Inspection and Acceptance

Goods must be consigned to the destination specified in the Contract and delivered:  
Delivered Duty Paid (DDP) Chevery Airport, Côte-Nord-du-Golfe-du-Saint-Laurent,  
Chevery, Quebec, G0G 1G0 Incoterms 2000 for shipments from a

commercial contractor.

- 10.3**
- a) 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;
  - b) The plow truck must be packed so it can be transferred in a port in Quebec, sent by boat to Harrington Harbour, Quebec and then shipped by barge to Chevery, Quebec.

## Annex «A» Specifications

## Annex «B» Pricing

\*This Annex are incorporated by reference into and form part request for proposal.

**ANNEX «B»****BASIS OF PAYMENT****Pricing:**

Before submitting prices, please refer to clause 5. Payment from de document.

**\*For Chevery Airport:**

Please indicate the brand name and model of the plow truck and complete the last column of the following table:

<b>Item</b>	<b>Description</b>	<b>Qty</b>	<b>Firm Price (Taxes Extras)</b>
<b>1</b>	<b>Snowplow Truck With Dump Box, accordance with the specifications described in Annex "A"</b>  <b>Brand Name Offered:</b> <hr/> <hr/> <b>Model offered:</b> <hr/> <hr/>	<b>1 ch</b>	\$ _____
<b>2</b>	<b>Manuals and CD/DVD:</b> Reference: Point 8, p.3 de l'annexe «A»	<b>1 lot</b>	\$ _____
<b>3</b>	<b>Preparation, Delivery, and Unloading:</b> Goods delivered to Chevery Airport Reference: 10.2 from the DDP	<b>1 lot</b>	\$ _____
<b>4</b>	<b>Training for a two-day period, on site at Airport:</b> Reference: section 9, p. 3 from Annex «A»		
<b>5</b>	<b>For total of: -----&gt; \$ _____</b>		



## **ANNEX “A” - EQUIPMENT SPECIFICATIONS**

### **Acquisition of a Snowplow Truck with Dump Box**

## **GENERAL SPECIFICATIONS**

### **1. Introduction**

Transport Canada requires the supply and delivery of a snowplow truck with a dump box that will be used in an airport environment. The snowplow truck must be delivered to Chevery airport.

### **2. Certification**

The certificates must indicate the equipment model and where the components and parts were installed (ex. Engine, transmission). They must also confirm that the manufacturer's components are certified and approved for the equipment's applications. The certificates must be provided after the contract is granted but before the delivery of the equipment.

### **3. Dynamometer Report**

The dynamometer test must include a minimum 20 minute engine test, at minimum 90% the output force. The test must also include the equipment's serial number. This sample will check that such testing is the manufacturer's standard practice. The report will be provided after the contract is granted but before the delivery of the equipment.

### **4. Safety Standards**

The contractor must provide the manufacturer's certification specifying that the vehicle (chassis) meets or exceeds the following requirements, based on documented test results, within 30 days after the contract has been awarded. The results of the documented tests must also be provided after the contract is granted but before the delivery of the equipment.

FMVSS 571-103	Windshield defrosting and defogging systems (in compliance with J1944, J198)
FMVSS 571-121	Air brake systems
FMVSS 571-207	Seating systems
FMVSS 571-210	Seat belt assembly anchorages
40 CFR CH.1	Noise levels (in compliance with SAE J366)
FMCSR 393.94	Interior noise levels in power units
FMVSS 571-101	Controls and displays
FMVSS 571-108	Lamps, reflective devices, and associated equipment
FMVSS 571-120	Tire selection and rims for vehicles other than motor vehicles
FMVSS 571-206	Door locks and door retention components
FMVSS 271-209	Seat belt assemblies
FMCSR 393-65	All fuel systems
FMCSR 205	Window glazing materials
FMCSR 302	Flammability of interior materials

### **5. Safely Accessing, Entering and Exiting the Cab and Engine Block**

The chassis will be designed for safe and easy access as well as the unit's disassembly by operators and personnel.

### **6. Maintenance of Chassis and Auxiliary Engine Fluids**

In order to lighten the maintenance work, a drain system is required on the side of the vehicle. The system must include valves and hoses to drain the operational fluids. Hose accesses must be

identified and installed for the chassis radiator, cooling system, auxiliary engine oil, fan case, the main fan's hydraulic tank and the servomotor oil.

## **7. Cab**

The cab will be completely closed, thermally insulated and soundproof (85 decibels and under, as certified by an audiometric test conducted at 6" from the driver's ears while the vehicle is running at full capacity). The audiometric certificate must be included with the proposal. The cab will be made of aluminum and glass.

## **8. Manuals – French and/or English Version**

- a) Parts manual: two (2) copies per piece of equipment and the manual must list each part individually.
- b) Spare parts manual provided by a manufacturer: two (2) copies per piece of equipment, including the major parts.
- c) Operator's manual: two (2) copies per piece of equipment.
- d) CD/DVD for each piece of equipment: the CD/DVD must show the operations, adjustment sequences and daily maintenance required on this equipment.
- e) Furthermore, the contractor must mention if the maintenance manuals and parts lists are available on the Internet. If so, the contractor must provide the passwords to access the manufacturer's site.

## **9. Operator and Mechanic Training**

The contractor must train Transport Canada's personnel at the Chevery airport. This training period will be equivalent to two (2) eight (8) hour work shifts during the day for a total of 16 hours. The instructor must be certified by the manufacturer. The training will address the proper and safe operation of the equipment. This training must be provided at the latest three (3) weeks after the delivery of the equipment.

## **10. Safety Equipment**

The contractor must provide the necessary safety equipment (fire extinguishers, and a least one safety triangle at the back).

## **11. Systems**

The proposed equipment must include all the hydraulic, pneumatic, mechanical, electrical and electronic systems and the controls necessary for the equipment's proper operation, according to the technical requirements.

## **12. Attachments**

The contractor must include all the attachments required for the proposed equipment's proper operation.

## **PARTICULAR SPECIFICATIONS**

**Transport Canada requires the supply and delivery of a snowplow truck with dump box that will be used in an airport setting and meets, at a minimum, the following criteria.**

### **1. Snowplow truck**

1. Minimum 150 inch and maximum 180 inch wheelbase
2. Double chassis frame side rails
3. Engine: six (6) cylinder, diesel, minimum 330 HP with 1250 (lb-ft) torque
4. Traditional manual transmission Fuller 10 gears FR Series, engine braking not required.
5. Four-wheel drive
6. Fabco TC-170 transfer case or approved equivalent and a four-wheel drive position light in the dashboard
7. The coolant must offer protection up to -40°C. It must be equipped with a thermostatic controlled shutter
8. Front axle with a minimum capacity of 21 000 lbs
9. Rear paired tire axle with a minimum capacity of 23 000 lbs, with a differential that can be locked by the driver
10. Tires must be Snowplus tires with a height of 22.5 inches or equivalent with a spare tire on a rim
11. Minimum 180 litre fuel tank
12. Four (4) Delco 1150 series batteries or approved equivalent with a starting current in cold weather of at least 3 600 amps
13. Automatic oiling
14. Maximum height must not exceed 11 feet 2 inches.
15. The equipment must be painted in a red, yellow, or orange Dupont urethane based paint
16. A dumb body of 6 Cu Yd must be installed. The body shall incorporate a double locking tailgate and drop chains. The cylinder that tilts the dump box must be telescopic and treated against corrosion.

### **2. Cab**

1. Air conditioning
2. The cabin's heating must be capable of maintaining an inside temperature of 13°C when the outside temperature is -40°C.
3. Heavy-duty intermittent wipers
4. Electric windows on the two (2) sides
5. Air suspension in the cab
6. Power mirrors, heated
7. Adjustable steering wheel
8. Tinted windows with a sunshade
9. Electric horn and air horn
10. Fabric-covered seat on the driver's side (air ride)
11. Fabric-covered seat on the passenger's side

### **3. Snow removal accessories**

1. Supply and install a reversible snow scraper, sixteen (16) feet by ± forty-two (42) inches high
2. Cutting blade bottom must have a carbide steel cutting edge
3. Minimum 30 degree inclination to the left or right
4. Raising system built into the snow scraper
5. Quick coupling on the front scraper
6. Auxiliary lights on the scraper
7. Target-Tech phase II Heavy Duty revolving light or approved equivalent
8. Supply and install a side fender, eleven (11) feet long, with a ½ inch X 120 inch blade
9. Supply and install a fifth wheel-type coupling completely at the rear of the truck bolted to the chassis so that the coupling is accessible even when the dump box is in place
10. Supply and install the complete towing connections, including the electric and pneumatic connections at the very back of the frame, including the relief valve for the vehicle's pneumatic circuit

11. Supply and install a right wing blade measuring 12 feet.