

**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada**  
**Pacific Region**  
**800 Burrard Street, 12th Floor**  
**800, rue Burrard, 12e étage**  
**Vancouver, B. C.**  
**V6Z 2V8**  
**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

<b>Title - Sujet</b> Airport Plow Truck - Port Hardy		
<b>Solicitation No. - N° de l'invitation</b> T7056-120005/A	<b>Date</b> 2012-10-01	
<b>Client Reference No. - N° de référence du client</b> T7056-120005		
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$XSB-005-6809		
<b>File No. - N° de dossier</b> XSB-2-35092 (005)	<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 2012-11-13</b>		<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Daylight Saving Time PDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>		
<b>Address Enquiries to: - Adresser toutes questions à:</b> Armstrong, Wendy		<b>Buyer Id - Id de l'acheteur</b> xsb005
<b>Telephone No. - N° de téléphone</b> (604) 775-7691 ( )		<b>FAX No. - N° de FAX</b> (604) 775-7526
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF TRANSPORT PORT HARDY AIRPORT PO BOX 460, 3675 BYNG ROAD PORT HARDY British Columbia V0N2P0 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

Public Works and Government Services Canada - Pacific  
Region  
800 Burrard Street, 12th Floor  
800, rue Burrard, 12e étage  
Vancouver, BC V6Z 2V8

<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 associated with the requirement.

**2. Requirement**

The Contractor must provide a 6 cubic meter (8 Cu Yd) capacity, 19,505 Kg (43,000 lb) GVWR, 4 x 4 Snow Plow Truck complete with 19 foot reversible snow plow in accordance with the Requirement at Annex A.

**3. Debriefings**

After contract award, 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.

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## 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 (2012-07-11) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

The text under Subsection 4 of Section 01 - Code of Conduct and Certifications - Bid of 2003 referenced above is replaced by:

Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide such a list within the required time frame will render the bid non-responsive. Bidders must always submit the list of directors before contract award.

Canada may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229)

(<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaire-forms-eng.html>) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

The text under Subsection 5 of Section 01 - Code of Conduct and Certifications - Bid of 2003 referenced above is replaced by:

The Bidder must diligently maintain the list up-to-date by informing Canada in writing of any change occurring during the validity period of the bid, and must also provide Canada, when requested, with the corresponding Consent Forms. The Bidder will also be required to diligently maintain the list and when requested, provide Consent Forms during the period of any contract arising from this bid solicitation.

### 2. Submission of Bids

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

### 3. Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than ten (\_10\_) 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

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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 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.

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## 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 ( \_\_2\_\_ hard copies)

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 and the hard copy, the wording of the hard copy will have priority over the wording of the soft 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 are encouraged to:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and/or 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 Goods and Services Tax (GST) or Harmonized Sales Tax (HST) must be shown separately, if applicable.

#### Section III: Certifications

Bidders must submit the certifications required under Part 5.

## **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**

In accordance with Annex A - Requirement.

##### **1.2 Mandatory Delivery Requirement**

The Airport Plow Truck must be delivery on or before March 31, 2013.

1.2.1 Indicate Delivery Offered in Annex B.

#### **1.2 Financial Evaluation**

##### **1.2.1 Evaluation of Price:**

The price of bids will be evaluated in Canadian dollars, Goods and Services Tax (GST) excluded, FOB destination for goods, Customs duties and Excise taxes included

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

#### **2.1 Basis of Selection - Mandatory Technical Criteria**

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

## PART 5 - CERTIFICATIONS

Bidders must provide the required certifications to be awarded a contract. Canada will declare a bid non-responsive if the required certifications are not completed and submitted as requested.

Compliance with the certifications bidders provide to Canada is subject to verification by Canada during the bid evaluation period (before award of a contract) and after award of a contract. The Contracting Authority will have the right to ask for additional information to verify bidders' compliance with the certifications before award of a contract. The bid will be declared non-responsive if any certification made by the Bidder is untrue, whether made knowingly or unknowingly. Failure to comply with the certifications or to comply with the request of the Contracting Authority for additional information will also render the bid non-responsive.

### 1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award

- 1.1** Bidders should provide, with their bid or promptly thereafter, a complete list of names of all individuals who are currently directors of the Bidder. If such a list has not been received by the time the evaluation of bids is completed, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Bidders must submit the list of directors before contract award, failure to provide such a list within the required time frame will render the bid non-responsive.

The Contracting Authority may, at any time, request that a Bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) (<http://www.tpsgc-pwgsc.gc.ca/app-acq/forms/formulaires-forms-eng.html>) for any or all individuals named in the aforementioned list within a specified delay. Failure to provide such Consent Forms within the delay will result in the bid being declared non-responsive.

### 2. Certifications Precedent to Contract Award

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications is not completed and submitted as requested, the Contracting Authority will so inform the Bidder and provide the Bidder with a time frame within which to meet the requirement. Failure to comply with the request of the Contracting Authority and meet the requirement within that time period will render the bid non-responsive.

#### 2.1 Federal Contractors Program - Certification

##### **Federal Contractors Program for Employment Equity - \$200,000 or more**

1. The Federal Contractors Program (FCP) requires that some suppliers, including a supplier who is a member of a joint venture, bidding for federal government contracts, valued at \$200,000 or more (including all applicable taxes), make a formal commitment to implement employment equity. This is a condition precedent to contract award. If the Bidder, or, if the Bidder is a joint venture and if any member of the joint venture, is subject to the FCP, evidence of its commitment must be provided before the award of the Contract.

Suppliers who have been declared ineligible contractors by Human Resources and Skills Development Canada (HRSDC) are no longer eligible to receive government contracts over the threshold for solicitation of bids as set out in the Government Contracts Regulations. Suppliers may be declared ineligible contractors either as a result of a finding of non-compliance by HRSDC, or following their voluntary withdrawal from the FCP for a reason other than the reduction of their workforce to less than 100 employees. Any bids from ineligible contractors, including a bid from a joint venture that has a member who is an ineligible contractor, will be declared non-responsive.



2. If the Bidder does not fall within the exceptions enumerated in 3.(a) or (b) below, or does not have a valid certificate number confirming its adherence to the FCP, the Bidder must fax (819-953-8768) a copy of the signed form LAB 1168, Certificate of Commitment to Implement Employment Equity, to the Labour Branch of HRSDC.

3. The Bidder, or, if the Bidder is a joint venture the member of the joint venture, certifies its status with the FCP, as follows:

The Bidder or the member of the joint venture

- (a) ( ) is not subject to the FCP, having a workforce of less than 100 full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada;
- (b) ( ) is not subject to the FCP, being a regulated employer under the Employment Equity Act, S.C. 1995, c. 44;
- (c) ( ) is subject to the requirements of the FCP, having a workforce of 100 or more full-time or part-time permanent employees, and/or temporary employees having worked 12 weeks or more in Canada, but has not previously obtained a certificate number from HRSDC (having not bid on requirements of \$200,000 or more), in which case a duly signed certificate of commitment is attached;
- (d) ( ) is subject to the FCP, and has a valid certificate number as follows:  
\_\_\_\_\_ (e.g. has not been declared an ineligible contractor by HRSDC.)

Further information on the FCP is available on the HRSDC Web site.

## PART 6 - RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement associated with the requirement.

### 2. Requirement

The Contractor must provide a 6 cubic meter (8 Cu Yd) capacity, 19,505 Kg (43,000 lb) GVWR, 4 x 4 Snow Plow Truck complete with 19 foot reversible snow plow in accordance with the Requirement at Annex A.

### 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>) issued by Public Works and Government Services Canada.

#### 3.1 General Conditions

2010A (2012-07-16), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 4. Term of Contract

#### 4.1 Delivery Date

All the deliverables must be received on or before March 31, 2013.

### 5. Authorities

#### 5.1 Contracting Authority

The Contracting Authority for the Contract is:

Wendy Armstrong , Supply Specialist  
Public Works and Government Services Canada  
12th Floor - 800 Burrard St.  
Vancouver, B.C. V6Z 2V8  
Tel: (604) 775-7691  
Fax: (604) 775-7526  
E-Mail: wendy.armstrong@pwgsc.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.

#### 5.2 Project Authority

The Project Authority for the Contract is: (to be inserted at time of award)

Name: \_\_\_\_\_  
Telephone No. \_\_\_\_\_  
Facsimile No. \_\_\_\_\_  
Email 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.

### 5.3 Contractor's Representative

#### General Enquiries

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

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

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

Email address: \_\_\_\_\_

### 6. Payment

#### 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 of \$\_\_\_\_\_. (to be inserted at time of award) Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable. See Annex B.

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

### 7. Invoicing Instructions

The Contractor must submit Invoices in accordance with the information required in section 10, Invoice Submission, of the 2010A General Conditions - Goods or Services (Medium Complexity).

### 8. Certifications

**8.1** Compliance with the certifications 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 or 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.

### 9. Applicable Laws

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

### 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 (2012-07-16), General Conditions - Goods (Medium Complexity),
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment
- (e) the Contractor's bid dated \_\_\_\_\_

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## **ANNEX B BASIS OF PAYMENT**

To supply and deliver a Single Axle 4 x 4 Airport Plow Truck in accordance with the attached Specification, to Transport Canada in Port Hardy, B.C.

Quantity: 1 each

Price must be firm and in Canadian Dollars, HST extra.

\$\_\_\_\_\_/CDN Dollars  
(FOB Destination)

Delivery required: on or before March 31, 2013.

Mandatory Delivery Requirement - The Airport Plow Truck must be delivered on or before March 31, 2013

Delivery offered is: \_\_\_\_\_

<p><b>Scope</b></p> <p>1.1 <u>Scope</u> – Supply the quantity of Snow Plow trucks noted in the request for proposal. The requirement is for a 6 cubic meter (8 Cu Yd) capacity, minimum 19,505 Kg (43,000 LB) GVWR, 4 X 4 Plow truck complete with 19 foot reversible snow plow. All items noted in sections 1 through 8 of this specification are to be included in the basic configuration.</p>	<p><b>SPECIFY THE ACTUAL COMPONENTS SUPPLIED, AND THEIR RATED CAPACITIES, FOR THE UNITS TENDERED. NOTE IN DETAIL ANY DEVIATIONS FROM THE SPECIFIED ITEMS.</b></p>
<p><b>GENERAL REQUIREMENTS</b></p> <p>2.1 <u>Standard Requirements</u> - The vehicle supplied under this specification shall be new and the manufacturer's latest model standard commercial product and shall have demonstrated industry acceptance by having been manufactured, and sold in significant numbers to the commercial trade and shall have been proven in service for the application specified, for at least 1 year prior to the request for proposal.</p>	<p>PROVIDE DETAILS _____</p>
<p>2.2 <u>Overview</u> – The vehicle supplied under this specification are to be four wheel drive truck embodying an automatic transmission, a diesel engine, and a tilt forward hood. All accessories to be supplied for the vehicle must be part of the Standard customary installation, and any extra or specific accessories or omission of accessories should only form part of the bid if specifically requested in or in order to conform to the tender document.</p>	<p>MAKE _____</p> <p>MODEL _____</p>
<p>2.3 <u>Operating Conditions</u> – The vehicle supplied must be capable of operating without failure of components when loaded to the maximum GVW specified. The vehicle must be capable of satisfactory operation in ambient temperatures down to –40 degrees Celsius.</p>	<p>COMPLY _____</p>

<p>2.4 <u>Mandatory Items</u> - Items noted in the specification as "shall be, must be, to be, minimum, land maximum are mandatory requirements". No deviations will be accepted for these items.</p>	
<p>2.5 <u>Responses</u> – Any responses noted as approximately will be interpreted as "NOMINAL". Any non-completed areas will be interpreted as non-compliance.</p>	
<p><b>REGULATIONS AND STANDARDS</b></p>	
<p>3.1 <u>General</u> – All standards and specifications referenced herein refer to the latest editions.</p>	<p>COMPLY _____</p>
<p>3.2 <u>Highway Traffic Act</u> – The vehicle(s) supplied shall comply in all respects with the Highway Traffic Act or regulations for the province in which it is to operate.</p>	<p>COMPLY _____</p>
<p>3.3 <u>Canada Motor Vehicle Safety Standards</u> – All applicable Canada Motor Vehicle Safety Standards shall be adhered to.</p>	<p>COMPLY _____</p>
<p>3.4 <u>Society of Automotive Engineers</u> – All notations in this specification indicating SAE refer to the most recent specification in effect by the Society of automotive Engineers.</p>	<p>COMPLY _____</p>
<p><b>DELIVERY</b></p>	
<p>4.1 <u>Pre-delivery</u> – A pre-delivery service shall be completed by the truck manufacturer's dealer prior to delivery. The truck(s) are to be lubricated and serviced with all associated products suitable for the climatic conditions in the area the trucks(s) will operate.</p>	<p>PDI _____</p>

- 4.2

Documentation – All necessary documentation (origin certificate, weight ticket, or new vehicle information statement, etc.) required for licensing the vehicle for road use, by the issuing provincial authority, shall be provided to the consignee when the vehicle is delivered.

ADDRESS \_\_\_\_\_
- 4.3

Inspection – The prime contractor is responsible to ensure that the vehicle(s) are thoroughly tested, inspected, and that all deviations are corrected prior to delivery. A final inspection shall be completed by the consignee at time of delivery.

PROVIDE DETAILS \_\_\_\_\_
- 4.4

Delivery – Quoted price must include FOB the airport.

COMPLY \_\_\_\_\_

WARRANTY AND MANUALS

- 5.1

Manuals – If available provide one copy of maintenance manuals for each truck chassis. Provide one copy of the manufacturer's maintenance and parts manuals for the transmission, engine, rear axle, snow plow and dump box. All manuals are to be delivered with the truck.

COMPLY \_\_\_\_\_
- 5.2

Warranty period – Provide warranty on all components and repair labour from the date, mileage and hours on the unit when it is initiated into service. State the warranty term.

COMPLY \_\_\_\_\_
- 5.4

Dealer – Specify the dealer responsible for performing any required warranty repairs, and provide the name and phone number of the person to be contacted should warranty repairs be required.

PROVIDE DETAILS OF ALL WARRANTIES \_\_\_\_\_

AGREE \_\_\_\_\_

Specification

**CAB AND CHASSIS**

6.1 G.V.W.R.

- .1 The minimum gross vehicle weight rating shall be (19, 505 kg) 43,000 LB.

6.2 Chassis Dimensions

- .1 Cab to Axle to be minimum of 2133mm (84 in) to suit a 3048 mm (10 FT) dump body.
- .2 Cab dimensions, **B**umper to **B**ack of **C**ab to be 2794mm to 2900mm (110 in to 114 in).
- .3 Wheelbase to be 3605mm to 3935mm (142 in to 155 in).
- .4 Mandatory maximum **T**urning **R**adius to be (9.75 M) 32ft to centerline of front tire.

6.3 Engine

- .1 Engine to be a diesel. The engine must have wet sleeve replaceable cylinders liners.
- .2 Minimum power output to be 350 Hp at the manufacturer's recommended maximum rpm per SAE-J1349. Minimum torque to be 1150 Ft-lb.

DEALER \_\_\_\_\_

CONTACT \_\_\_\_\_

PHONE \_\_\_\_\_

ACTUAL GVWR \_\_\_\_\_

ACTUAL CA \_\_\_\_\_

ACTUAL BBC \_\_\_\_\_

ACTUAL WB \_\_\_\_\_

ACTUAL TR \_\_\_\_\_

ENGINE MAKE AND MODEL \_\_\_\_\_

ACTUAL HP \_\_\_\_\_

ACTUAL TORQUE \_\_\_\_\_



<p>.3 Oil filter to be a full flow type, incorporating a replaceable element.</p> <p>.4 Provide a full flow, heated, fuel filter/water separator incorporating a replaceable element.</p> <p>.5 Provide a two-stage inside/outside intake air cleaner complete with in-cab air restriction gauge.</p> <p>.6 The radiator is to be a severe duty type. Coolant protection to -40 C to be provided.</p> <p>.7 The engine fan is to incorporate a thermostatically controlled fan clutch, if not air to air engine.</p> <p>.8 All radiator and heater hoses are to be silicon type. All hose clamps <b><u>MUST</u></b> be silicon hose type. No deviations accepted.</p> <p>.9 Provide a <u>fast idle switch</u> capable of maintaining a constant engine speed of 1200 RPM. The fast idle system must only operate with the transmission in neutral.</p>	<p>COMPLY _____</p> <p>COMPLY _____</p> <p>COMPLY _____</p> <p>COMPLY _____</p> <p>PROVIDE DETAILS _____</p> <p>COMPLY _____</p> <p>COMPLY _____</p>
<p>6.4 <u>Transmission</u></p> <p>.1 The vehicle(s) are to incorporate an automatic transmission. The transmission is to have a minimum of five forward speeds, with 3<sup>rd</sup> gear hold.</p> <p>.2 Provide an automatic safety device to ensure that the truck engine can only be started in neutral range.</p> <p>.3 Shift control quadrant to be illuminated.</p>	<p>TRANSMISSION MAKE AND MODEL _____</p> <p>COMPLY _____</p> <p>COMPLY _____</p>

<p>4. Provide a transmission oil cooler.</p> <p>6.5 <u>Suspensions</u></p> <p>1 Both the front and rear springs are to be progressive, heavy duty type. Front rating to be a minimum of 19,000 lbs, rear 23,000 lbs.</p> <p>2 The rear suspension is to be complete with auxiliary helpers.</p> <p>3 Shock absorbers to be supplied on the front axle.</p> <p>6.6 <u>Drive Line</u></p> <p>1 Minimum Spicer 1710HD series (or equivalent) drive shaft(s) and universal joints.</p> <p>2 Provide visible oil seal caps on the front axle.</p> <p>6.7 <u>Frame</u></p> <p>1 Full depth, heavy duty, reinforced frame having a minimum PSI rating of 120,000 in-lbs. The frame must be reinforced the entire length.</p> <p>2 Provide for the installation of a front mounted PTO pump, driven from the front of the engine crankshaft.</p> <p>6.8 <u>Axles</u></p> <p>1 The front axle to have a minimum capacity of 8618 Kg (19,000 lb).</p>	<p>COMPLY _____</p> <p>FRONT RATING _____</p> <p>REAR RATING _____</p> <p>AUX RATING _____</p> <p>PROVIDE DETAILS _____</p> <p>MAKE AND SERIES _____</p> <p>ACTUAL _____</p> <p>COMPLY _____</p> <p>ACTUAL _____</p>
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**Single Axle 4x4 Airport Plow Truck**      **Specification**  
**43,000 LB, GVWR with minimum 350 Horse Power and 19 foot Reversible Plow.**

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<p>2 The front axle is to be set back a minimum of 1016 mm (40in).</p> <p>3 The rear axle to have a minimum capacity of 10,400 Kg (23,000lb).</p> <p>4 Axle ratio to be provided to allow for an approximate road speed of 90 KPH.</p> <p>5 Provide power operated, driver controlled, traction lock rear differential, with dash-mounted switch and warning light.</p>	<p>SET BACK DIMENSION _____</p> <p>ACTUAL _____</p> <p>AXLE RATIO _____</p> <p>TOP SPEED _____</p> <p>PROVIDE DETAILS _____</p> <p>_____</p>
<p><b>6.9</b>    <u>Wheels</u></p> <p>1 Front rims to be minimum 12.25 x 22.5.</p> <p>2 Rear dual rims to be minimum 8.25 x 22.5.</p> <p>3 Both front and rear wheels must be disc type.</p> <p>4 The wheels shall comply with the axle manufacturer's rating for imposed loads and operating conditions.</p> <p>5 Provide one front spare rim fitted with a front tread type tire as noted in section 6.10.2 of this specification.</p>	<p>FRONT RIM SIZE _____</p> <p>REAR RIM SIZE _____</p> <p>COMPLY _____</p> <p>FRONT WHEEL RATING _____</p> <p>REAR WHEEL RATING _____</p> <p>COMPLY _____</p>
<p><b>6.10</b>    <u>Tires</u></p> <p>1 Rear tires to be 16 ply on/off road, radical type, 11R 22.5 Michelin XDY-EX or equivalent.</p> <p>2 Front tires to be 20 ply on/off road radial type, 425/65R 22.5 Michelin XZY or Goodyear G286 or equivalent.</p>	<p>MAKE AND TYPE _____</p> <p>CAPACITY AND LOCATION _____</p>

<p><b>6.11 <u>Steering</u></b></p> <p>.1 Integral power steering with a right side slave or ram.</p>	<p>COMPLY _____</p>
<p><b>6.12 <u>Fuel Tank</u></b></p> <p>.1 Capacity to be not less than 220 liters. Left hand side mounted preferred.</p>	<p>PROVIDE DETAILS _____</p>
<p><b>6.12 <u>Exhaust</u></b></p> <p>.1 Vertical exhaust pipe equipped with an elbow.</p>	<p>COMPLY _____</p>
<p><b>6.13 <u>Brakes</u></b></p> <p>1. Full air brakes incorporating the following items;</p>	<p>COMPLY _____</p>
<p>.1 Minimum 13 CFM compressor.</p> <p>.2 Spring applied, air release parking brakes.</p> <p>.3 Minimum 16.5 x 6 "S cam" front brakes with automatic adjusters.</p> <p>.4 Minimum 16.5 x 7 "S cam" rear brakes with automatic adjusters and backing plates.</p> <p>.5 Bendix AD-9, or equivalent, heated air dryer, complete with moisture ejector.</p> <p>.6 In dash pressure gauge with low pressure warning light and buzzer.</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<p>2. Provide full trailer connections, to include air and electrical connections mounted at the end of the frame, including tractor protection valve and 7 pin electrical trailer receptacle.</p>	<p>COMPLY _____</p>

6.14 Electrical

1. Include batteries having a minimum of 2100 CCA capacity.
2. Include a minimum 145 amp 12 V alternator, having a minimum output of 60 amps at engine idle.
3. Provide a back-up alarm having a minimum of 97 dBA.
4. Provide a warning light and buzzer to indicate the following conditions; high coolant temperature and low engine oil pressure.
5. Provide an Engine hour meter installed in the instrument panel.
6. Provide an engine block heater, minimum size of 1000 watts complete with bulkhead receptacle located beneath the driver's door.
7. Manual reset circuit breakers must be provided.
8. Provide roof mounted amber light, Whelen RB6PAPS Rotating Beacon. Or Dominion Auto Strobe light number 420700-02. Or other manufactures equivalent. The light flashing frequency shall be between 60 and 90 per minute.

6.15 Cab

1. Fully insulated metal cab equipped with maximum capacity fresh air intake heating and defrosting system, with air intake protected from the ingress of rain and snow.

COMPLY _____	_____
CAPACITY _____ TYPE _____	_____
IDLE AMPERAGE _____	_____
COMPLY _____	_____
PROVIDE DETAILS _____	_____
COMPLY _____	_____
COMPLY _____	_____
PROVIDE DETAILS _____	_____
COMPLY _____	_____
PROVIDE DETAILS _____	_____

<p>2 The cab heating system shall have sufficient capacity to maintain the cab interior at 13 C with an ambient temperature of -40C.</p>	<p>PROVIDE DETAILS _____</p>
<p>3 Cab access handles, to be installed on both right and left hand sides of the vehicle exterior, as well as interior door access handles.</p>	<p>COMPLY _____</p>
<p>4 Provide the heaviest duty, variable speed electric or air wipers. The wipers must be complete with automatic park capability. Wet blade type windshield washers preferred.</p>	<p>WIPER TYPE _____</p>
<p>5 A maximum soundproof insulation package shall be fitted to provide the lowest possible interior sound level, Interior sound level shall not exceed 83 dB(A) when measured in accordance on bare asphalt with the vehicle moving at maximum governed speed in third gear.</p>	<p>WASHER TYPE _____</p> <p>COMPLY _____</p>
<p>6 Hood to be a tilt forward type having both a stationary grill and side access hatches to permit easy access to the engine.</p>	<p>COMPLY _____</p>
<p>7 Provide a driver and passenger sun visor.</p>	<p>COMPLY _____</p>
<p>8 Provide driver's high back, cloth, air-ride suspension seat with right side arm rest. Single passenger seating to be provided.</p>	<p>TYPE _____</p>
<p>9 Provide a right side power window with the controls at the divers side.</p>	<p>COMPLY _____</p>
<p>10 Dual west coast type, heated mirrors: minimum 178 X 406 mm (7 X 16 in.). Minimum 8-inch convex mirrors to be supplied on each side.</p>	<p>PROVIDE DETAILS _____</p>

6.16 Painting

- .1 The cab and dump box are to be painted with Epoxy, Polyurethane or Imron type paint or equivalent. Paint colour Orange CGSB-1-GP-88, shade 508-101, standard paint colour 1-GP-12. Or manufacturers closest equivalent.

PROVIDE DETAILS \_\_\_\_\_

6.17 Instruction Identification

- .1 Provide permanently installed ISO or English/French instructions, diagrams and warning plates, where required to ensure efficient operation and servicing with maximum safety.

COMPLY \_\_\_\_\_

**DUMP BODY**

7.1 Body and hoist

1. The tailgate is to be a minimum of 1066 mm (42 in) high.
2. Provide two six-inch hardwood sideboards.
3. The sides, tailgate, and header must be constructed utilizing minimum 10 gauge steel. The floor is to be a minimum 3/16 inch Cor-ten steel.
4. The body sub frame consist of two trapezoidal long members, welded directly to the underside of the floor plate. All components shall be box section type and fully sealed against moisture.
5. The body shall incorporate an air operated double acting

PROVIDE DETAILS \_\_\_\_\_

COMPLY \_\_\_\_\_

COMPLY \_\_\_\_\_

COMPLY \_\_\_\_\_

COMPLY \_\_\_\_\_

locking tailgate with combined spreader and drop chains. Ladders shall be provided on both sides of the box.	COMPLY _____
6. The header shall incorporate a cab shield, which extends to a minimum of 13 inches.	COMPLY _____
7. All Stop, Tail and Clearance lights shall be recessed and protected from damage. All wiring shall be installed inside of loom and fastened securely to the body.	COMPLY _____
8. Provide four mud flaps. The mud flaps shall not "sail" more than 30 degrees from the vertical.	COMPLY _____
9. Heavy duty telescopic front mounted lift hoist to be installed; tipping angle to be a minimum of 50 degrees; Dump box hoist to have a minimum capacity of 20,320 Kg (20 ton).	COMPLY _____
10. Provide a self-storing, locking bar, which is capable of safely supporting the dump box allowing the hoist to be serviced.	PROVIDE DETAILS _____
11. The inside walls of the dump box must be vertical and at a 90 degree angle to the floor.	COMPLY _____
12. The hoist controls are to be mounted in the cab allowing easy access for operation by the driver, when combined with the snow plow controls. The hoist control switch must be a detent type with protective shield to prevent unintentional operation.	COMPLY _____
13. Pintle hook to be Holland PH-400 air operated, or equivalent, suitably reinforced to the frame with provisions for safety chains.	PROVIDE DETAILS _____



<p>7.2 <u>Welding</u></p> <p>1 All welding is to be continuous. Welds shall be neat and smooth and weld penetration shall provide for maximum design strength without failure through the base metal junction.</p>	<p>COMPLY _____</p>
<p>8.0 <b>PLOW SPECIFICATIONS</b></p> <p>8.1 <u>Dimensions</u></p> <p>1. Width of blade must be 19 ft.</p> <p>2. Width of cut must be 16 ft 5 inch at 35 degrees.</p> <p>3. Blade height to be a minimum of 51 in clear from the ground to the outside of the mouldboard face.</p> <p>8.2 <u>Blade Assembly</u></p> <p>1. Pivoted, adjustable blade assembly which can be readily detached from the drive frame.</p> <p>2. The mould board is to be constructed from (.125 inch) steel formed plate with weight saving cutouts. The mould board is to be adequately ribbed and reinforced for heavy duty plow applications.</p> <p>3. The mould board is to be covered with a <u>minimum</u> 3/8in high density orange polyethylene adequately ribbed and reinforced. Submit with the tender manufacturing details on the polymer. No deviations accepted.</p>	<p>ACTUAL _____</p> <p>ACTUAL _____</p> <p>ACTUAL _____</p> <p>COMPLY _____</p> <p>THICKNESS _____</p> <p>CONSTRUCTION _____</p> <p>ACTUAL THICKNESS _____</p>

<p>4. Equipped with a replaceable cutting edge complete with tungsten-carbide insert 10mm X 14mm (3/8 X 9/16). Details of the cutting edge size are to be included with the tender.</p> <p>5. Provide thrust blocks on the mould board to positively locate the cutting edges within 0.8mm (0.030 in) alignment.</p>	<p>TYPE _____</p> <p>ACTUAL ALIGNMENT _____</p>
<p>8.3 <u>Drive Frame</u></p> <p>1. Oscillating type with stabilizing drive bars to permit the plow to follow surface contours without constraint.</p> <p>2. Readily detachable from the push-frame. Tor-Loc quick attached (spade hitch) is preferred</p> <p>3. The drive frame must be a half circle, sector type, being totally independent, and easily detached from the plow.</p> <p>8.4 <u>Casters</u></p> <p>1. Provide dual caster wheels on each end of the plow, which are designed to provide durable, reliable, and efficient service, under all operating conditions. All bearings and bushings shall have grease fittings.</p> <p>2. Provide quick, easy and positive screw adjustment for swivel dampers and castor wheel height.</p> <p>3. Each dual caster is to be designed to carry a minimum load of 900 kg (2000 lbs). Their construction must be suited for use on airport runways, and be durable for the purpose intended.</p>	<p>TYPE _____</p> <p>COMPLY _____</p> <p>PROVIDE DETAILS _____</p> <p>_____</p> <p>TYPE _____</p> <p>TYPE _____</p> <p>TYPE AND SIZE _____</p>

.4 Anti-shimmy caster wheel brakes are to be installed on each  
caster wheel.

\_\_\_\_\_  
SPECIFY \_\_\_\_\_

8.5 <u>Power Reversing Ram</u>	<p>1 Operated by two telescopic hydraulic cylinders and capable of operation in the raised or lowered positions.</p> <p>2 Provide infinitely variable blade positions to a minimum angle of 32 degrees to the right and left of the bulldozing position.</p> <p>3 Provide a hydraulic cushion valve on the plow ram cylinders.</p> <p>4 Reversing speed to be readily adjustable.</p>	<p>CYLINDERS TYPE AND SIZE _____</p> <p>ACTUAL _____</p> <p>COMPLY _____</p> <p>COMPLY _____</p>
8.6 <u>Push Frame</u>	<p>1 Provide a totally <u>hydraulic tilting push frame</u>. The tilting push frame must be easily operated from inside of the cab. The entire push frame must tilt forward to allow for the fiberglass hood to be tilted forward. The tilting cylinders must be complete with a relief valve allowing a maximum of 800 PSI pressure</p>	<p>PROVIDE DETAILS _____</p> <p>_____</p> <p>_____</p>
2 Reinforcing side plates to be a minimum of (5/8 in) steel plate, shaped to suit.	<p>ACTUAL THICKNES _____</p>	
3 Install front bumpers on each side of the plow harness, with built in step and suitable grab handles to provide easy access to the engine compartment.	<p>COMPLY _____</p>	
8.7 <u>Quick Manual Release Hitch</u>	<p>1 Install a quick manual release hitch between the push and drive frames. The ears must be welded to the truck push plate.</p>	<p>COMPLY _____</p>

<p>2. Provide a suitable parking stand to support the drive frame for direct coupling and uncoupling.</p>	<p>COMPLY _____</p>
<p>8.8 <u>Lifting Device</u></p>	
<p>1. Attached to the push frame and adequately reinforced.</p>	<p>TYPE _____</p>
<p>2. Operated by a hydraulic cylinder being a minimum of 4 in diameter x 10 in long.</p>	<p>TYPE _____</p>
<p>3. Capable of lifting the blade at least 300 mm (12 in) clear of the ground.</p>	<p>COMPLY _____</p>
<p>4. Lifting speed of the blade to be readily adjustable.</p>	<p>COMPLY _____</p>
<p>8.9 <u>Lights</u></p>	
<p>1. Supply and install two lights located above the lifting frame. The lights must be capable of illuminating the work area ahead of the vehicle with the plow in the raised position.</p>	<p>COMPLY _____</p>
<p>2. Provide separate dash mounted switches to control each set of plow lights.</p>	<p>COMPLY _____</p>
<p>3. Provide turn signals which are visible from the front of the vehicle with the plow in the raised or lowered position.</p>	<p>COMPLY _____</p>
<p>8.10 <u>Hydraulic Oil</u></p>	
<p>1. Must be Dexron II or equivalent.</p>	<p>COMPLY _____</p>
<p>8.11 <u>Hydraulic Hoses</u></p>	
<p>1. Comply with SAE standards for operating conditions.</p>	<p>COMPLY _____</p>

<p>2. Remain resilient and flexible down to minus 40 degrees celsius.</p>	<p>COMPLY _____</p>
<p>8.12 <u>Hydraulic system</u></p>	
<p>1. Supply and install a crankshaft driven "Tyronc dry mode" or equivalent hydraulic pump. The pump is to operate the snow plow as well as the dump box.</p>	<p>TYPE _____</p>
<p>2. The pump drive shaft is to be a minimum Spicer 1280 series, having needle roller bearing universal joints and a splined slip joint.</p>	<p>TYPE _____</p>
<p>3. The hydraulic system is to include adequate oil capacity, filtration (with replaceable filters), pressure control and relief devices, and other equipment necessary to ensure the satisfactory and safe operation of the dump box and snow plow(s).</p>	<p>PROVIDE DETAILS _____                  _____                  _____</p>
<p>4. In cab mounted air controls to be feathering proportional type, which allow the operator to easily raise or lower the plow to any desired position. The valve controls are to be the joystick type with easy access for the operator.</p>	<p>TYPE _____</p>
<p>5. All air control lines to be colour coded for easy identification.</p>	<p>COMPLY _____</p>

<p>8.13 <u>Painting</u></p>	
<p>.1 Paint to be rust type, Paint colour to be Black.</p>	<p>COMPLY _____</p>
<p>8.14 <u>Miscellaneous</u></p>	
<p>.1 Permanently identify all instrumentation and controls. Provide instructions, diagrams and warning plates to ensure efficient operation and servicing with maximum safety.</p>	<p>COMPLY _____</p>
<p>.2 Provide and install a minimum 3/8 inch thick, 19 feet by 1 foot, rubber deflector at the front of the plow.</p>	<p>COMPLY _____</p>
<p>.3 Provide and install guide flags on each end of the plow.</p>	<p>COMPLY _____</p>
<p>9.1 The front mounted pump must be installed Independently from the front harness and must remain with the chassis.</p>	<p>COMPLY _____</p>
<p>9.2 If available, provide a <u>training video</u>. The video contents shall include training on the operation and maintenance of the detachable plow system.</p>	<p>COMPLY _____</p>