

**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

Title - Sujet Airport Plow Truck - Penticton		
Solicitation No. - N° de l'invitation T7054-120020/A	Date 2012-09-21	
Client Reference No. - N° de référence du client T7054-120020		
GETS Reference No. - N° de référence de SEAG PW-\$XSB-005-6799		
File No. - N° de dossier XSB-2-35091 (005)	CCC No./N° CCC - FMS No./N° VME	
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2012-11-05		Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>		
Address Enquiries to: - Adresser toutes questions à: Armstrong, Wendy		Buyer Id - Id de l'acheteur xsb005
Telephone No. - N° de téléphone (604) 775-7691 ()		FAX No. - N° de FAX (604) 775-7526
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF TRANSPORT #109 - 3000 AIRPORT ROAD PENTICTON British Columbia V2A8X1 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

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

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PART 1 - GENERAL INFORMATION

1.1. Security Requirement

There is no security requirement associated with the requirement.

1.2. Requirement

The Contractor must provide a Single Axle 4 x 2 Airport Plow Truck 43,000 Lb., GVWR with minimum 310 Horse Power in accordance with the Requirement at Annex A.

1.3. 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.

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>) 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.

2.2. 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.

2.3. 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.

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

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)

(<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

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

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.

4.1.2 Financial Evaluation

4.1.2.1 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

4.2. Basis of Selection

4.2.1 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.

5.1. Code of Conduct Certifications - Certifications Required Precedent to Contract Award

5.1.1 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.

5.2. 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.

5.2.1 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

6.1. Security Requirement

There is no security requirement associated with the requirement.

6.2. Requirement

The Contractor must provide a Single Axle 4 x 2 Airport Plow Truck 43,000 Lb., GVWR with minimum 310 Horse Power in accordance with 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>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

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

6.4. Term of Contract

6.4.1 Delivery Date

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

6.5. Authorities

6.5.1 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.

6.5.2 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.

6.5.3 Contractor's Representative

General Enquiries

Name: _____

Telephone No. _____

Facsimile No. _____

Email address: _____

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 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.

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

6.7. 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).

6.8. Certifications

6.8.1 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.

6.9. Applicable Laws

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

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 (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

Single Axle 4 x 2 Airport Plow Truck 43,000 Lb., GVWR with minimum 310 Horse Power in accordance with the Requirement at Annex A.

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: _____

Single Axle 4x2 Airport Plow Truck
43,000 LB, GVWR with minimum 310 Horse Power

Specification

Date: 2011-10
Page: 1

Scope

- 1.1 Scope – 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 2 Plow truck complete with two way high speed plow. All items noted in sections 1 through 8 of this specification are to be included in the basic configuration.

SPECIFY THE ACTUAL COMPONENTS SUPPLIED, AND THEIR RATED CAPACITIES, FOR THE UNITS TENDERED. NOTE IN DETAIL ANY DEVIATIONS FROM THE SPECIFIED ITEMS.

GENERAL REQUIREMENTS

- 1.2 Standard Requirements - Vehicle must have been manufactured between 2010-2012 and should be a standard production unit. Unit must have been in production for at least a year and if a 2012 model is being proposed it will be considered as long as it is the current model or version that has previously been in production for a period of at least a year. This applies to any proposed Limited or Special Edition which will be considered acceptable as long as the unit has been in production for at least a year.

PROVIDE DETAILS _____

- 1.3 Overview – 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 documents.

MAKE _____

MODEL _____

- 1.4 Operating Conditions – The vehicle(s) 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.

COMPLY _____

1.5 Mandatory Items - 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.

1.6 Responses - Any responses noted as approximately will be interpreted as "NOMINAL". Any non-completed areas will be interpreted as non-compliance.

REGULATIONS AND STANDARDS

3.1 General - All standards and specifications referenced herein refer to the latest editions. COMPLY

3.2 Highway Traffic Act - 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. COMPLY

3.3 Canada Motor Vehicle Safety Standards - All applicable Canada Motor Vehicle Safety Standards shall be adhered to. COMPLY

3.4 Society of Automotive Engineers - All notations in this specification indicating SAE refer to the most recent specification in effect by the Society of automotive Engineers. COMPLY

DELIVERY

3.5 Pre-delivery - The vehicle manufacturer's dealer located within 200 kms of the operating site shall complete a pre-delivery service. The dealer providing the pre-delivery service must provide, upon request, all post delivery services including normal maintenance, warranty, etc. ADDRESS

3.6 Distance - The vehicle(s) are to be delivered to the final destination with a maximum of 1000 km on the odometer. The method of delivery and costs are to be noted on the proposal. PROVIDE DETAILS

4.3 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.

COMPLY _____

4.4 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.

COMPLY _____

WARRANTY AND MANUALS

5.1 Manuals – Provide one copy of operators and 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 the unit is initiated into service.

PROVIDE DETAILS OF ALL WARRANTIES _____

5.3 Warranty Claims – If dealer requested warranty repairs have not commenced within a 48 hour period, the consignee reserves the right to complete repairs and bill the vehicle supplier for the repair parts and labour in accordance with their standard repair time and rates.

AGREE _____

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.

DEALER
CONTACT _____
PHONE _____

CAB AND CHASSIS

6.1 G.V.W.R.

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

ACTUAL GVWR _____

6.2 Chassis Dimensions

- .1 Cab to Axle to be minimum of 2133mm (84 in) to suit a 3048 mm (10 FT) dump body.

ACTUAL CA _____

- .2 Cab dimensions, Bumper to Back of Cab to be 2794mm to 2900mm (110 in to 114 in).

ACTUAL BBC _____

- .3 Wheelbase to be 3605mm to 3935mm (142 in to 155 in).

ACTUAL WB _____

- .4 Mandatory maximum Turning Radius to be (8.5 M) 28 ft to centerline of front tire as per SAE J695.

ACTUAL TR _____

6.3 Engine

- .1 Engine to be a diesel. The engine must have wet sleeve replaceable cylinders liners.

ENGINE MAKE AND MODEL _____

- .2 Minimum power output to be 310 Hp at the manufacturer's recommended maximum rpm per SAE-J1349. Minimum torque to be 1050 Ft-lb @ 1200 RPM.

ACTUAL HP _____
ACTUAL TORQUE _____

- .3 Oil filler to be a full flow type, incorporating a replaceable element.

COMPLY _____

- .4 Provide a full flow, heated, fuel filter/water separator incorporating a replaceable element.

COMPLY _____

- .5 Provide a two-stage inside/outside intake air cleaner air cleaner COMPLY _____ complete with in-cab air restriction gauge.
- .6 The radiator is to be a severe duty type. Coolant protection COMPLY _____ to -40 C to be provided.
- .7 The engine fan is to incorporate a thermostatically controlled PROVIDE DETAILS _____ fan clutch, if not air to air engine.
- .8 All radiator and heater hoses are to be silicon type. All hose COMPLY _____ clamps MUST be silicon hose type. No deviations accepted.
- .9 Provide a fast idle switch capable of maintaining a constant COMPLY _____ engine speed of 1200 RPM. The fast idle system must only operate with the transmission in neutral.

6.4 Transmission

- .1 The vehicle(s) are to incorporate an automatic transmission. TRANSMISSION MAKE AND MODEL _____
The transmission is to have a minimum of five forward speeds, with 3rd gear hold. _____
- .2 Provide an automatic safety device to ensure that the COMPLY _____ engine can only be started in neutral range.
- .3 Shift control quadrant to be illuminated. COMPLY _____
- .4 Provide a transmission oil cooler. COMPLY _____

6.5 Suspensions

- .1 Both the front and rear springs are to be progressive, heavy FRONT RATING _____ duty type. Front rating to be a minimum of 20,000 lbs and REAR RATING _____ the rear rating a minimum of 23,000 lbs.

- 2 The rear suspension is to be complete with auxiliary helpers. AUX RATING _____
- 3 Shock absorbers to be supplied on the front axle. PROVIDE DETAILS _____

6.6 Drive Line

- 1 Minimum Spicer 1710HD series (or equivalent) drive shaft(s) and universal joints. MAKE A SERIES _____

6.7 Frame

- 1 Full depth, heavy duty, reinforced frame having a minimum PSI rating of 120,000 in-lbs. A truck that uses a heavy duty frame must have the required PSI rating along its entire length. ACTUAL _____
- 2 Provide for the installation of a front mounted PTO pump, driven from the front of the engine crankshaft. COMPLY _____

6.8 Axles

- 1 The front axle to have a minimum capacity of 9,072Kg (20,000 lb). ACTUAL _____
- 2 The front axle is to be set back a minimum of 1016 mm (40in). SET BACK DIMENSION _____
- 3 The rear axle to have a minimum capacity of 10,400 Kg (23,000lb). ACTUAL _____
- 4 Axle ratio to be provided to allow for an approximate road speed of 90 KPH. AXLE RATIO _____
TOP SPEED _____
- 5 Provide power operated, driver controlled, traction lock rear differential, with dash-mounted switch and warning light. PROVIDE DETAILS _____

6.9 Wheels

- 1 Front rims to be 12.25 x 22.5. FRONT RIM SIZE _____
- 2 Rear dual rims to be 8.25 x 22.5. REAR RIM SIZE _____
- 3 Both front and rear wheels to be disc type. COMPLY _____
- 4 The wheels shall comply with the axle manufacturer's rating for imposed loads and operating conditions. FRONT WHEEL RATING _____
REAR WHEEL RATING _____
- 5 Provide one front spare rim fitted with a front tread type tire noted in section 6.10.2 of this specification. COMPLY _____

6.10 Tires

- 1 Rear tires to be 14 ply on/off road, radial type, 11R 22.5 Michelin XZY or Goodyear G165 or equivalent. MAKE AND TYPE _____
- 2 Front tires to be 20 ply on/off road radial type, 425/65R 22.5 Michelin XZY or Goodyear G286A or equivalent. MAKE AND TYPE _____

6.11 Steering

- 1 Integral power steering with a right side slave or ram. PROVIDE DETAILS _____

6.12 Fuel tank

- 1 Capacity to be not less than 220 liters. Left hand side mounted preferred. CAPACITY AND LOCATION _____

6.13 Exhaust

- 1 Vertical exhaust pipe equipped with an elbow. COMPLY _____

6.14 Brakes

1. Full air brakes incorporating the following items:

- .1 Minimum 13 CFM compressor.
 - .2 Spring applied, air release parking brakes.
 - .3 Minimum 16.5 x 6 "S cam" front brakes with automatic adjusters.
 - .4 Minimum 16.5 x 7 "S cam" rear brakes with automatic adjusters and backing plates.
 - .5 Bendix AD-9, or equivalent, heated air dryer, complete with moisture ejector.
 - .6 In dash pressure gauge with low pressure warning light and buzzer.
- PROVIDE DETAILS _____

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.

COMPLY _____

6.15 Electrical

.1 Include batteries having a minimum of 2100 CCA capacity.

COMPLY _____

.2 Include a minimum 145 amp 12 V alternator, having a minimum output of 60 amps at engine idle.

CAPACITY _____ TYPE _____
IDLE AMPERAGE _____

.3 Provide a back-up alarm having a minimum of 97 dBA.

COMPLY _____

.4 Provide a warning light and buzzer to indicate the following conditions; high coolant temperature and low engine oil pressure.

PROVIDE DETAILS _____

.5 Provide an Engine hour meter installed in the instrument panel.

COMPLY _____

6. Provide an engine block heater, minimum size of 1000 watts complete with bulkhead receptacle located beneath the driver's door. COMPLY _____
7. Manual reset circuit breakers must be provided. PROVIDE DETAILS _____
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. COMPLY _____

6.16 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. PROVIDE DETAILS _____
2. The cab heating system shall have sufficient capacity to maintain the cab interior at 13 C with an ambient temperature of -40C. PROVIDE DETAILS _____
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. COMPLY _____
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. WIPER TYPE _____
WASHER TYPE _____

- .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.
COMPLY _____
- .6 Hood to be a tilt forward type having both a stationary grill and side access hatches to permit easy access to the engine.
COMPLY _____
- .7 Provide a driver and passenger sun visor.
COMPLY _____
- .8 Provide driver's high back, cloth, air-ride suspension seat with right side arm rest. Single passenger seating to be provided.
TYPE _____
- .9 Provide a right side power window with the controls at the drivers side.
COMPLY _____
- .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.
PROVIDE DETAILS _____
- .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 Painting

6.18 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

- .2 The tailgate is to be a minimum of 1066 mm (42 in) high.

PROVIDE DETAILS _____

- .3 Provide two six-inch hardwood sideboards.

COMPLY _____

- .4 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.

COMPLY _____

- .5 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.

COMPLY _____

- .6 The body shall incorporate an air operated double acting locking tailgate with combined spreader and drop chains. Ladders shall be provided on both sides of the box.

COMPLY _____

- .7 The header shall incorporate a cab shield, which extends to a minimum of 13 inches.

COMPLY _____

- .8 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 _____

9 Provide four mud flaps. The mud flaps shall not "sail" more than 30 degrees from the vertical. COMPLY _____

10 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 _____

11 Provide a self-storing, locking bar, which is capable of safely supporting the dump box allowing the hoist to be serviced. COMPLY _____

12 The inside walls of the dump box must be vertical and at a 90 degree angle to the floor. PROVIDE DETAILS _____

13 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 _____

14 Pinle hook to be Holland PH-400 air operated, or equivalent, suitably reinforced to the frame with provisions for safety chains. COMPLY _____

7.2 Welding

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. PROVIDE DETAILS _____

8.1 Mounting System

COMPLY _____

.1 Supply and install Tor-loc quick disconnect plow hitch (or equivalent) plow harness, complete with frame reinforcements, to provide complete plow removal with only mounting plate remaining on truck.

PROVIDE DETAILS _____

.2 The hitch shall have a drive frame/turntable that allows the plow to follow contour of pavement and hydraulic or manual plow tilt capabilities.

.3 Provide a minimum of two sealed beam halogen headlights mounted to the top of the plow push frame. Sufficiently supported to avoid vibration.

COMPLY _____

.4 Provide a chassis mounted minimum 90 Liter (20 gallon) hydraulic oil tank, complete with oil shut off valve and filter assembly.

COMPLY _____

.5 Re-install the vehicles front bumper in it's original position with the center section removed to clear plow push frame.

PROVIDE DETAILS _____

.6 Supply and install in cab feathering type air/hydraulic plow controls furnished with a relief valve. Must be capable of operating a two way snow plow.

COMPLY _____

PROVIDE DETAILS _____

TWO WAY REVERSIBLE PLOW

8.2 Dimensions

- 1 The plow shall be a minimum of 19 feet wide poly moldboard with tapered discharge to provide high speed capabilities
- 2 Plow shall not be less than 50" high at centre portion
- 3 Discharge end heights to be a minimum of 62" inch.

ACTUAL _____

8.3 Blade Assembly

ACTUAL _____

- 1 Heavy Duty adjustable blade assembly made of new materials that can be readily detached from the frame.
- 2 The moldboard must be covered with a heavy duty polyethylene liner no less than 3/8 " thick.
- 3 The moldboard must be completed with 360 degree dual castor wheel assembly
- 4 Cutting edge shall be carbide steel inserts, minimum 1/2" thick and 6" wide.
- 5 Castor tires shall be mounted 2 on each side in tandem.
- 6 Castors shall be provided with brake dampener (anti-shimmy) device to prevent excessive wobble
- 7 Provide a snow deflector to prevent snow from blowing over the blade while plowing.
- 8 The mould board brace rod shall be adjustable to enable tilting of mould board

ACTUAL _____

MAKE AND TYPE _____

ACTUAL THICKNESS _____

COMPLY _____

PROVIDE DETAILS _____

COMPLY _____

PROVIDE DETAILS _____

COMPLY _____

.9 The plow frame shall be equipped with two (2) heavy duty, dual stage telescopic hydraulic cylinders that enable the plow to angled left, right or straight.

COMPLY

PROVIDE DETAILS