



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

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

Cabot Place, Phase II, 2nd Floor

Box 4600

St. John's, NF

A1C 5T2

Bid Fax: (709) 772-4603

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

Proposal To: Public Works and Government Services Canada

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

Proposition aux: Travaux Publics et Services Gouvernementaux Canada

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

Comments - Commentaires

Vendor/Firm Name and Address

Raison sociale et adresse du

fournisseur/de l'entrepreneur

Issuing Office - Bureau de distribution

PWGSC / TPSGC - Nfld. Region

Cabot Place, Phase II, 2nd Floor

Box 4600

St. John's, NF

A1C 5T2

Title - Sujet TC - Loader Mounted Snowblower	
Solicitation No. - N° de l'invitation T2012-180023/A	Date 2018-07-31
Client Reference No. - N° de référence du client T2012-180023	
GETS Reference No. - N° de référence de SEAG PW-\$OLZ-010-7147	
File No. - N° de dossier OLZ-8-41067 (010)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-09-10	Time Zone Fuseau horaire Newfoundland Daylight Saving Time NDT
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Connolly, Carolyn	Buyer Id - Id de l'acheteur olz010
Telephone No. - N° de téléphone (709) 772-5396 ()	FAX No. - N° de FAX (709) 772-4603
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: St. Anthony Airport 1 Airport Road St. Anthony, NL A0K 4C0	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Annex "A" of the resulting contract clauses.

1.2 Debriefings

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

1.3 epost Connect service

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

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

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

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

Delete: 60 days

Insert: 90 days

2.2 Submission of Bids

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

Carolyn Connolly BA, MA
Supply Specialist
Public Services and Procurement Canada
The John Cabot Building
10 Barter's Hill, St. John's, NL A1C 5T2

or

Electronic submissions may be sent to:

PWGSC Bid Receiving Unit in Newfoundland and Labrador:

TPSGC.RAReceptionSoumissionsTNL-ARBidReceivingNL.PWGSC@tpsgc-pwgsc.gc.ca.

NOTE: Bids/Offer will be not be accepted if emailed directly to this email address. This email is to initiate an ePost Connect conversation, as detailed in the Standard Instructions.

or

Facsimile submissions may be faxed to :

(709) 772-4603

2.3 Enquiries - Bid Solicitation

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

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

2.4 Applicable Laws

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

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

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

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

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications
Section IV: Additional Information

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

Section I: Technical Bid (2 hard 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 on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

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

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

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

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

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

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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.

3.1.1 Electronic Payment of Invoices – Bid

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

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

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

Section III: Certifications

Bidders must submit the certifications and additional information 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

4.1.1.1 Mandatory Technical Criteria

To be deemed responsive, bidders must meet the mandatory technical criteria. It is not acceptable to simply say your proposed product(s) meets each of the mandates. In a technical bid document, bidders must demonstrate how their product(s) meet each of the following:

- Please check (X) accordingly:

- The snow blower shall be a self-powered, detachable, wirelessly controlled front end loader mounted snow blower with a minimum 2438 mm (96 in) width of cut.

Met_____

Not Met _____

- The snow blower is to be a self-contained, two stage, dual auger, wirelessly controlled unit powered by a diesel engine.

Met_____

Not Met _____

- The unit shall be capable of a minimum casting distance of 45 m and a minimum capacity of 2750 tons/hour.

Met_____

Not Met _____

4.1.2 Financial Evaluation

SACC Manual Clause (2014-06-26), Evaluation of Price – Bid

4.2 Basis of Selection

4.2.1 Basis of Selection – Mandatory Technical Criteria

SACC Manual Clause A0031T (2010-08-16) Basis of Selection – Mandatory Technical Criteria

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

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

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

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

5.1 Certifications Required with the Bid

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

5.1.1 Integrity Provisions - Declaration of Convicted Offences

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

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

6.1.1 There is no security requirement applicable to the Contract.

6.2 Requirement

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

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

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

6.4 Term of Contract

6.4.1 Delivery Date

All the deliverables must be received on or before 01 December 2018.

6.4.2 Delivery Points

Delivery of the requirement will be made to delivery point specified at Annex "A" of the Contract.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Carolyn Connolly
Supply Specialist
Public Works and Government Services Canada
Acquisitions Branch, Atlantic Region
Science, Professional Services and Marine
The John Cabot Building, 10 Barter's Hill
P.O. Box 4600, St. John's, NL A1C 5T2

Telephone: (709) 772-5396

Facsimile: (709) 772-4603

E-mail address: carolyn.connolly@pwgsc.gc.ca

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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 will be named at Contract award.

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 [Must be completed by offeror with bid submission]

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone: _____

Facsimile: _____

E-mail 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, as specified in Annex "A" Pricing for a cost of \$ _____ (inserted at contract award). Customs duties are included and Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

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

6.6.2 Limitation of Price

SACC Manual clause C6000C (2011-05-16) Limitation of Price

6.6.3 Single Payment

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

6.6.4 Electronic Payment of Invoices – Contract

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

- a. Visa Acquisition Card ();
- b. MasterCard Acquisition Card ();
- c. Direct Deposit (Domestic and International) ();
- d. Electronic Data Interchange (EDI) ();
- e. Wire Transfer (International Only) ();

6.7 Invoicing Instructions

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

Invoices must be distributed as follows:

- (a) The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.
- (b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

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

6.10 Priority of Documents

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

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2018-06-21);
- (c) Annex "A", Requirement/Pricing;
- (d) Annex "B", Electronic Payment Instruments;
- (e) Annex "C", Integrity Provisions;
- (f) the Contractor's bid dated _____ (*insert date of bid*) (*If the bid was clarified or amended, insert at the time of contract award: " , as clarified on _____ " or " , as amended on _____ " and insert date(s) of clarification(s) or amendment(s)*)

ANNEX "A"
REQUIREMENT/PRICING

Requirement:

Transport Canada requires one (1) dual auger, self-powered, wirelessly controlled, detachable, front end loader mounted snowblower. The unit supplied is to be complete with all accessories customarily furnished and installed on this type of equipment to enable the unit to function reliably and efficiently under all conditions of service. The snowblower is required for winter maintenance work at St. Anthony airport. The unit supplied should be capable of satisfactory continuous operation when loaded to its rated capacities, in ambient temperatures ranging from 35 degrees Celsius to minus 35 degrees Celsius.

IMPORTANT: In order to submit a bid, offerors must read/understand and be able to meet all the specifications listed in the attached Specification document, which forms part of this annex. In a technical bid document, bidders must demonstrate how their product meets the required specification. Bidders must complete the right hand side of the attached document as applicable.

Goods to be delivered FOB Destination to:

St. Anthony Airport
1 Airport Road
St. Anthony, NL A0K 4C0

Pricing:

- Please provide pricing for all line items. Failure to do so will deem bid non-responsive.
- Prices do not include applicable taxes.
- **IMPORTANT NOTE TO BIDDERS:**
BIDDERS MUST COMPLETE THE UNIT PRICE TABLE BELOW. BIDDERS ARE NOT TO CREATE A SEPARATE PRICING TABLE. FAILURE TO COMPLETE THE PROVIDED UNIT PRICE TABLE WILL RENDER BID NON-COMPLIANT AND NO FURTHER CONSIDERATION WILL BE GIVEN.

Item #	Description	Quantity	Total Price (Not including HST)
1	Dual auger, self-powered, wirelessly controlled, detachable, front end loader mounted snowblower, as per the attached specification.	1 Unit	\$
2	Delivery FOB Destination: St. Anthony Airport 1 Airport Road St. Anthony, NL A0K 4C0	1 Lot	\$
Total:			\$

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ANNEX "B"
ELECTRONIC PAYMENT INSTRUMENTS

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

- ☐ VISA Acquisition Card;
- ☐ MasterCard Acquisition Card;
- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI);
- ☐ Wire Transfer (International Only).

ANNEX "C"
INTEGRITY PROVISIONS – LIST OF NAMES

[MUST BE COMPLETED BY OFFEROR WITH BID SUBMISSION]

The Integrity Provision of General Conditions 2010 requires that bidders supply the following:

List of Names

- (a) Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s). Bidders bidding as societies, firms, or partnerships do not need to provide lists of names.
- (b) If the required list of names 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 the names within the time frame specified will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.
- (c) The Bidder must immediately inform Canada in writing of any changes affecting the list of names of directors during this procurement process.

Complete Legal Name of Company _____

PBN _____

List of names of the current Board of Directors or Owners:

NOTE: Not up to date - see RDIMS # 5707923

1.0 SCOPE

1.1 Scope - Supply the quantity of snowblowers as noted in the request for proposal. The requirement is for one (1) dual auger, self-powered, Wirelessly controlled, detachable, front end loader mounted snowblower. The unit supplied is to be complete with all accessories customarily furnished and installed on this type of equipment, whether specified herein or not, to enable the unit to function reliably and efficiently under all conditions of service. All items noted in sections 1.0 through 6.16 of this specification are to be included in the base configuration, unless noted otherwise.

COMPLY

2.0 GENERAL REQUIREMENTS

2.1 Standard Requirements - The equipment supplied under this specification shall be 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; or in the case of a recently introduced item, the manufacturer shall submit sufficient valid operational and test data to demonstrate the acceptability of the equipment.

COMPLY

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

- 2.2 Overview - The snowblower supplied under this specification is to be a self contained, two stage, dual auger unit powered by a diesel engine and Wirelessly controlled. The unit shall be capable of a minimum casting distance of 45 m and a minimum capacity of 2750 tons/hour.

SNOWBLOWER
MAKE
MODEL
- 2.3 Operating Conditions - The snowblower is required for winter maintenance work at St. Anthony airport. The unit supplied should be capable of satisfactory continuous operation when loaded to its rated capacities, in ambient temperatures ranging from 35 degrees Celsius to minus 35 degrees Celsius. It should be capable of operating at rated capacities for prolonged periods without deformation and/or failure of components in all conditions including adverse weather conditions.

COMPLY

- 2.4 Mandatory Items - Mandatory requirements are identified by "shall" or "must". Deviations will not be permitted.

- 2.5 Approved Equivalent - Requirements identified by "should" shall be satisfied. Alternative means will be considered, but must be accepted by the Design Authority as a "Design Authority approved equivalent". This is a feature or component, which has been evaluated by the Design Authority and determined to meet the specific requirements for form, fit, function and performance, as applicable.

- 2.6 Responses - Any responses noted as approximately will be interpreted as "ACTUAL". Any responses that are not completed will be interpreted as

non-compliant.

3.0 REGULATIONS AND STANDARDS

3.1 General - All standards and specifications referenced herein refer to the latest editions unless otherwise indicated.

3.2 Society of Automotive Engineers (SAE) - All notations in this specification indicating SAE refer to the most recent specification in effect or it's equivalent replacement specification in effect, by the Society of Automotive Engineers.

COMPLY

4.0 DELIVERY

4.1 Pre-delivery - The pre-delivery service shall be completed by the equipment manufacturer's dealer. The dealer providing the pre-delivery service shall provide, upon request, all post delivery services, including normal maintenance, warranty, etc. The equipment shall be lubricated and serviced with all associated products suitable for climatic conditions in Newfoundland and Labrador, Canada.

DEALER

ADDRESS

COMPLY

METHOD

4.2 Delivery - The snowblower shall be delivered to the final destination in "as new" condition. The method of delivery shall be noted on the proposal.

4.3 Documentation - All necessary documentation shall be provided to the consignee at the time and point of final delivery.

COMPLY

4.4 Inspection - The prime contractor is responsible to ensure that the equipment is thoroughly tested, inspected and that all deviations are corrected prior to delivery. A final inspection shall be completed by the consignee with a manufacturer's representative in attendance at the time and point of delivery at the airport.

COMPLY

5.0 **WARRANTY AND MANUALS**

5.1 Manuals - Provide a minimum of one copy paper and/or include electronic, if available, in English, of the manuals requested below, for the snowblower delivered. The contract will not be considered complete and final payment will not be made until all manuals noted are received in new, original, unused condition.

COMPLY

5.2 Maintenance Manuals - Provide a minimum of one copy of the manufacturer's overall maintenance manuals for the snowblower. The manuals should indicate the proper maintenance procedures for all component installations, and should include accurate schematics of the electrical systems and the hydraulic systems.

COMPLY

5.3 Parts Manuals - Provide a minimum of one copy of the parts manuals for the snowblower. The parts manuals should list each of the individual component parts numbers, illustrated drawings and manufacturer's name, address and contact phone number.

COMPLY

5.4 Operators Manual - Provide a minimum of one copy of the operators manual.

5.5 Warranty - The snowblower shall be covered by a complete unit parts and labour warranty for a minimum of (12) twelve months from the date that the equipment has completed final inspection as indicated in section 4.4 of this specification.

COMPLY _____

5.6 Dealer - Specify the dealer responsible for performing any required warranty repairs and provide the name and phone number of the person to contact.

DEALER _____
CONTACT _____
TELEPHONE _____

6.0 **SNOWBLOWER SPECIFICATIONS**

6.1 General Specifications

- .1 The snowblower shall have a minimum 2438 mm (96 in) width of cut.
- .2 The maximum overall width of the snowblower should be 2854 mm (112 in).
- .3 The snowblower opening (working) height should be a minimum of 1321 mm (52 inches).
- .4 The standalone operating weight of the snowblower should be a maximum of 4990 kg (11,000 lbs).

ACTUAL _____
ACTUAL _____
ACTUAL _____
ACTUAL _____

6.2 Snowblower Performance

- .1 The equipment should be capable of a minimum snowblowing capacity of 2494 metric tons/hour (2750 tons/hour) with a minimum casting distance of 45 m (150 ft). Manufacturer's published literature or performance tests indicating the values noted must be supplied.

ACTUAL _____

6.3 Conveyors

- .1 The snowblower shall be equipped with a minimum of two continuous, auger type conveyors the full width of the blower head.

COMPLY _____

- .2 Each conveyor should be heavy duty, welded construction, a minimum of 610 mm (24 inch) in diameter.

COMPLY _____ DIAMETER _____

- .3 The conveyors shall be constructed from minimum 10 mm (1/4 inch) steel.

COMPLY _____

- .4 The conveyors should be equipped with hard surface, saw tooth, cutting edges.

COMPLY _____

- .5 Each end of each conveyor should be equipped with easily replaceable bearings. Each bearing should be operated and lubricated in an oil bath or be complete with a grease fitting.

COMPLY _____

6.4 Conveyor Drive

- .1 The conveyors should be driven by means of either gears or chain and gears.
- .2 The conveyor drive system should be fully enclosed in an oil bath.
- .3 Chain drives shall be equipped with heavy duty chain rated for a minimum of 110% of the maximum possible applied torque. Chain drives shall be equipped with slack adjusters.
- .4 The conveyor drive system shall be equipped with a shear bolt assembly to prevent damage in the event of a shock load. The shear bolt assembly should be easily accessible.

DETAILS

COMPLY

COMPLY

COMPLY

6.5 Gear Box

- .1 The blower gear box should be mounted so as to allow for easy removal.
- .2 The blower gear box bearings shall be heavy duty and rated for the maximum applied torque and thrust.

COMPLY

COMPLY

6.6 Impeller

- .1 The impeller should be a minimum 915 mm (36 inch) diameter.
- .2 The impeller blades shall be constructed from minimum 6.4 mm (1/4 inch) steel and be easily bolt-on replaceable.

COMPLY

COMPLY

- .3 The impeller casing should be capable of 150 degrees total rotation, flat discharge to the right and 60 degrees to the left.

COMPLY
- .4 The impeller casing shall be of heavy duty construction with minimum 6.4 mm (1/4 inch) steel.

COMPLY
- 6.7 Engine

.1 The engine shall be a liquid cooler diesel. The engine should incorporate wet sleeve replaceable cylinder liners.

COMPLY

.2 The engine should have a minimum power rating of 275 horsepower. Manufacturer's published literature or performance tests indicating the value noted must be supplied.

HP

.3 The engine should be equipped with a high coolant temperature, low coolant level and low oil pressure safety shutdown system complete with indicator lights.

COMPLY

.4 The engine shall be equipped with a full flow type oil filter complete with a replaceable element.

COMPLY

.5 The engine should utilize a full flow fuel filter / water separator complete with a replaceable element.

COMPLY

.6 The engine should be equipped with a dry type, inside intake air cleaner complete with a replaceable element.

COMPLY

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| .7 The engine radiator should be a heavy duty, copper core type. The cooling system shall be supplied with coolant rated for protection to a minimum of minus 40 degrees Celsius. | COMPLY |
| .8 The engine should be equipped with thermostatically controlled radiator shutters of the fall-open type design and a thermostatically controlled fan. | COMPLY |
| .9 The engine should be equipped with silicone type radiator and heater hoses complete with the appropriate spring type clamps. | COMPLY |
| .10 The engine shall be equipped with an exhaust system muffler. | COMPLY |

6.8 Drive Line

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| .1 The snowblower shall be equipped with an over-center type clutch complete with in-cab controls. The clutch shall be rated for the engine torque. The clutch assembly should be complete with fail safe mechanisms providing safe, convenient operation. If requested, be able to provide a rating and application certification from the clutch manufacturer. | DETAILS |
| .2 The snowblower shall be equipped with a minimum Spicer 1610 or equivalent series driveline. If requested, be able to provide a rating and application certification from the driveline manufacturer. | DETAILS |

.3 The drive line system shall be complete with weak link shear bolt systems providing protection to all components. The shear bolts should be easily obtainable and easily replaced.

COMPLY

6.9 Frame Assembly

.1 The snowblower frame assembly shall be heavy duty, fully welded steel construction suitable for continuous use in hard packed snow conditions.

COMPLY

.2 The snowblower shall be equipped with a quick connect/detach coupler. After delivery, this snowblower will be coupled with a front end loader already in use at the airport site. To be compatible with existing equipment, the installed coupler must be a Craig Machine Shop #QKF55 female coupler.

COMPLY

.3 The snowblower shall be equipped with a minimum of five (5) replaceable skates, complete with carbide inserts.

COMPLY

.4 The snowblower should be equipped with a full-length, bolt-on, replaceable scraper blade.

COMPLY

.5 The snowblower should be equipped with bank cutting knives being a minimum of 254 mm (10 inches) in height.

COMPLY

.6 The snowblower shall be equipped with hydraulically operated steering vanes

COMPLY

complete with in-cab wireless controls.

- .7 The snowblower should be equipped with a hydraulically operated spot casting chute having a minimum of 240 degrees of rotation, complete with in-cab wireless controls for direction and distance of cast.

DETAILS

6.10 Hydraulic System

- .1 The hydraulic system of the snowblower shall include adequate oil capacity, filtration (with replaceable filters), pressure control devices, relief devices and all other equipment necessary to ensure the safe and satisfactory operation of the snowblower.

COMPLY

- .2 The supplied hydraulic oil shall be "Dextron II" or approved equivalent.

COMPLY

- .3 The hydraulic system oil pump(s) shall be driven by the vehicle engine through positive mechanical drive(s). Belt drive is not acceptable.

COMPLY

- .4 All hydraulic hoses shall be secured and be protected from damage as a result of vibration and chaffing. The hydraulic hoses shall comply with SAE standards for the operating conditions specified herein and must be able to remain flexible to minus 35 degrees Celsius.

COMPLY

6.11 Electrical

- .1 The snowblower shall be equipped with maintenance free batteries. The number of batteries and the batteries rating shall be sufficient to meet the snowblower's total electrical requirements in all operating conditions, as indicated in section 2.3 of this specification.
- .2 The snowblower's electrical system should be 12 volts.
- .3 The snowblower's alternator should have a minimum 75 amp rating.
- .4 The snowblower shall be equipped with a remote wireless electrical control panel
- .5 The snowblower's entire electrical system should be protected from the elements. All wiring connections shall be either soldered or approved connectors. All connectors shall be heavy duty, waterproof type. All wiring shall be color coded.

QUANTITY	MAKE
MODEL	
TOTAL	
C.C.A	
COMPLY	
ACTUAL	
COMPLY	
COMPLY	

6.12 Controls and Instrumentation

- .1 The snowblower remote control panel should

be equipped with a minimum of the following fully functioning instrumentation; tachometer, voltmeter, engine oil pressure gauge, engine coolant temperature gauge and a fuel gauge.

DETAILS

.2 The snowblower wireless remote control panel should be equipped with the following fully functioning switches and controls; ignition switch, clutch, throttle, impeller control, chute rotation control, chute open/close control, and steering vanes control.

DETAILS

.3 The snowblower shall be equipped with two emergency shutdown switches; one located on the remote control panel and one located on the main snowblower unit. The switches must be easily accessible, clearly labeled and protected from the elements.

.4 The snowblower should be equipped with an hourmeter mounted either on the main blower unit, or in the remote control panel.

COMPLY

.5 All instrumentation, switches, gauges and controls should be clearly marked in English, or ISO identification. All labels should be permanently affixed, etched metal plates or engraved (two color) plastic plates.

COMPLY

COMPLY

6.13 Miscellaneous

.1 The snowblower should be equipped with a

minimum 250 litre (55 imp gal) fuel tank.

.2 The snowblower should be equipped with efficient and durable guards or shields where necessary to ensure maximum safety when servicing and operating the equipment.

COMPLY

.3 The snowblower should be equipped with shielding over the entire engine area. The shielding should be easily removable for equipment service and be complete with access doors, as required for routine maintenance and fluid level checks.

COMPLY

.4 The snowblower should be equipped with a cold weather start package including an ether start system or equivalent. The package should also include an engine block heater and a battery warmer, with externally mounted, covered, plug receptacles.

COMPLY

DETAILS

6.14 Painting

.1 The snowblower shall be painted to the original manufacturer's colors, methods and standards. Paint removed or damaged by vehicle modifications or installations shall be prepared, primed, and repainted to match adjacent surfaces and shall be applied according to the paint manufacturer's specification. A minimum two year warranty shall be provided for paint that is not factory installed.

6.15 Instruction Identification

.1 The snowblower should be supplied with

COMPLY

permanently installed ISO or bilingual written instructions, diagrams and warning plates, where required to ensure maximum safety and efficient operation and servicing.

6.16 Diagnostics

COMPLY _____

- .1 The snowblower should be supplied with any diagnostic peripherals associated with the vehicle engine, including any documentation, cartridges, CDs and cables available that work with diagnostic engine scan equipment.

COMPLY _____