



Request for Proposal

Subject: Airport Self-Propelled Snowblower

VAA Project No. 6775

Victoria International Airport

Date of Issue: February 15, 2024

Response due by: March 7, 2024, 3:00pm Pacific Standard Time

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DEFINITIONS

The following definitions shall be used for the purpose of this RFP:

“Airport” means the Victoria International Airport. **“Airport”**, **“Victoria International Airport”** and **“YYJ”** shall have equivalent meanings.

“Airport Authority” shall each mean the Victoria Airport Authority; and **“Authority”** and **“VAA”** shall have equivalent meanings.

“Authority’s Authorized Representative” means the person designated by the Authority from time to time to act as the Authority’s representative for the purposes of this RFP, or his/her designate.

“Must”, **“mandatory”**, **“required”**, or **“shall”** means a specific criteria or requirement essential to be met for the Proposal to receive and continue to receive consideration.

“Proponent” means a person, natural or corporate, who submits a Proposal to the Authority pursuant to this RFP.

“Proposal” means an offer from a qualified vendor in response to this RFP to provide an Airport Self-Propelled Snowblower, the acceptance of which by the Authority may be subject to further negotiation prior to or at the time of award.

“RFP” means this Request for Proposals document and includes any modifications or additions thereto incorporated by addenda (if any) issued by the Authority prior to the closing date and time.

“Should” or **“desirable”**, or **“preferred”** means a requirement having a specific or significant degree of importance to meet the RFP objectives.

1.0 OVERVIEW

1.1 VICTORIA INTERNATIONAL AIRPORT

- 1.1.1. Victoria, the provincial capital of British Columbia, is located on the southern tip of Vancouver Island off Canada’s Pacific Coast and enjoys one of Canada’s mildest climates. Almost half of Vancouver Island’s population of 800,000 lives around Victoria and the southern end of Vancouver Island.
- 1.1.2. Victoria International Airport (YYJ) is a Class 2 Aerodrome, as defined by Transport Canada Regulations, based in the municipalities of the District of North Saanich and Town of Sidney, British Columbia (BC) and is approximately 25kms north of Victoria, BC’s capital city.
- 1.1.3. YYJ is operated by Victoria Airport Authority (Authority), a not-for-profit corporation that manages the safe and secure operations of YYJ.
- 1.1.4. The Airport is primarily an O and D (Origin and Destination) airport and, prior to Covid-19, was the third busiest (based on passengers) in the Province of British Columbia after Vancouver and Kelowna reaching 2 million passengers in 2018, and the eleventh busiest in Canada.

1.2 PURPOSE OF RFP

- 1.2.1. The Authority is seeking a qualified vendor to supply an Airport Self-Propelled Snowblower.
- 1.2.2. Proponents must have a background that includes:
 - (a) Service that exemplifies quality;
 - (b) Installation base of Airport Self-Propelled Snowblowers in North American Airports;
 - (c) Able to provide training and service on Vancouver Island or Vancouver Area; and
 - (d) Reliable & dependable service.

1.3 INVITATION

The Authority invites companies to submit a detailed proposal for a new Airport Self-Propelled Snowblower as defined in Appendix E.

1.4 KEY TARGET DATES

Following are the Key Target Dates and Events with respect to this RFP process. Such dates are not guaranteed and may change based on circumstances.

	Task	Date
A	Request for Proposals issued	February 15, 2024
B	Appendix A – <i>RFP Receipt Confirmation Form</i> submission deadline	February 21, 2024
C	Deadline for Questions	February 23, 2024
D	Question Response Deadline	March 1, 2024
E	RFP Close	March 7, 2024
F	Award	March 15, 2024

This schedule may be subject to change without liability to the Authority.

1.5 ISSUING OFFICE / AUTHORITY’S AUTHORIZED REPRESENTATIVE

Victoria Airport Authority
Victoria International Airport
Airside Operations Centre
9751 Dakota Road
North Saanich, B.C. V8L 5V6

Attention: Lars Olsson, Director Airside Operations and Safety
Office Phone: (250) 953-7587
Email: Lars.Olsson@victoriaairport.com

1.6 INQUIRIES

All inquiries and other communications relating to this RFP and any subsequent agreements are to be directed in writing only to the above-named person, who is the Authority’s Authorized Representative.

Depending on the nature of the inquiry, the Authority may respond to the inquirer in writing or if appropriate, issue a written addendum to the RFP to all Proponents registered as having returned their *RFP Receipt Confirmation Form* (Appendix A). **Failure to return this form may result in no further communication regarding this RFP.**

It is the responsibility of each Proponent to inquire and clarify any requirements of this RFP which are not understood.

The Authority shall have no responsibility for, and the Proponent agrees not to rely upon communications, representations or statements regarding this RFP, its subject matter, or any subsequent agreements from any other persons other than the Authority’s Authorized Representative or his/her designate.

2.0 INSTRUCTIONS TO PROPONENTS

2.1 DEADLINE DATE AND TIME FOR RESPONSE TO RFP

Responses to this RFP are due **Thursday, March 7, 2024, no later than 3:00 pm local Pacific Time (PST/PDT)**.

2.2 PROPOSAL SUBMISSION DETAILS

Each Proponent shall, before submitting its Proposal, thoroughly examine and assess the Proposal documents. The Proponent must also be knowledgeable of all relevant laws, rules, notices, directives, standards, orders and regulations, licensing and permit requirements, labour market, and other circumstances that may affect the Proposal.

Submission of a Proposal constitutes a representation by the Proponent that it is familiar with and accepts the foregoing.

The Proponent must **submit its completed Proposal, including Appendix B through E**, prior to the closing date and time as follows:

One (1) fully executed digital/electronic copy to be sent by email as an attachment or shared download link emailed to:

- i. Lars Olsson, Director Airside Operations and Safety, at Lars.Olsson@victoriaairport.com, and
- ii. Sarah Venn, Administrative Operations Officer, at sarah.venn@victoriaairport.com

Hard copy Proposals will not be accepted. Proposals sent by facsimile will not be accepted. Mis-delivered Proposals may not be accepted.

It is the Proponent's responsibility to ensure the proposal submission meets the deadline stipulated above, the time stamp in VAA's email inbox or by the administration office will be the official time received.

The Proponent's Proposal must be signed by an authorized signatory of the Proponent.

The Proponent must note in the email subject line that the Proposal is for "**Project No. 6775 – Airport Self-Propelled Snowblower**". The body of the email must clearly identify the Proponent's name and address and description of the attachment or document link.

The digital/electronic version of the Proposal may be in either MS Word or pdf format. Any spreadsheets must be submitted in Excel format.

The Authority reserves the right to make additional copies of all or part of the Proponent's Proposal for internal use or for any other purpose required by law. Proposals will NOT be publicly opened. The Proponent will be advised of the results after the evaluation of all Proposals received are complete. Proponents **will not** necessarily be provided feedback if their proposal is unsuccessful.

The Authority reserves the right in its sole discretion, to extend the closing date prior to the closing date and time, and will endeavor to notify the Proponents as soon as practically possible in the event of any extension of the closing date.

Proposals received after the closing date and time will not be accepted.

2.3 SITE TOUR

The Authority will not be conducting a site tour for this RFP.

2.4 PROPOSAL COSTS

This RFP does not obligate the Authority to pay any costs the Proponent may incur in the preparation of their Proposal. All costs and expenses with respect to the submission of a Proposal pursuant to this RFP shall be the sole responsibility of the Proponent and the Authority assumes no liability whatsoever for any Proponent costs and expenses.

2.5 WITHDRAWAL OF PROPOSALS

Proposals may be withdrawn by a Proponent prior to the closing date and time only. Withdrawal notification must be in written form and may be attached to an email to the Authority's Authorized Representative and received by the Authority prior to the closing date and time.

2.6 ADDENDUM

The Authority may, at any time prior to the closing date and time, issue additional information, clarifications, or modifications to the RFP by written addenda issued by the Authority's Authorized Representative or his/her designate only. Any addenda shall be considered an integral part of the RFP.

To receive any addenda, the Proponent must complete *Appendix A – RFP Receipt Confirmation Form* and email a copy of the completed form to the Authority as set out therein.

The Authority will endeavour to notify the Proponent of any such addenda as may be issued but it is the Proponent's sole responsibility to ensure they have received all addenda prior to submitting their Proposal.

2.7 OMISSIONS AND DISCREPENCIES

If the Proponent is in doubt as to the meaning or interpretation of anything in the RFP, find any discrepancies in, or find omissions from the RFP, the Proponent should immediately contact the Authority's Authorized Representative.

The Proponent shall be solely responsible for any error, omissions, discrepancies, or misunderstandings resulting from the Proponent's failure to examine thoroughly the RFP and from the Proponent's failure to enquire further with the Authority.

2.8 PRESENTATION

The Authority may require the Proponent, at the Proponent's cost, to make an oral presentation of its Proposal. Such presentation(s) will provide an opportunity for the Proponent to clarify its Proposal to ensure a thorough and mutual understanding of its benefits.

The Authority may, following any such presentation(s) require that the information provided during such presentation(s) be confirmed in writing. The written confirmations will then form part of the Proponent's Proposal.

2.9 INTERPRETATION

No oral interpretation of any of this RFP by anyone, whether or not employed by the Authority, shall be effective to alter or modify any of the provisions in the RFP.

Any request for interpretation of the meaning of any of the requirements of the RFP shall be made in writing to the Authority's Authorized Representative only.

2.10 PARTNERING / STRATEGIC ALLIANCES

The Proponent may partner with other third parties in order to fulfill all of the requirements set out in this RFP provided that all partners, joint venturers, and the like:

- sign the signatory page of the proposal, and
- provide similar company profiles for each organization and any other documents as may, from time to time, be required by the Authority.

Proposals that include partnerships must include how the partnership will function within the delivery of the services.

2.11 NO COLLUSION

Except as specified within its Proposal, the Proponent declares that no other person, either natural or corporate, has or will have any interest or share, directly or indirectly, in this Proposal or in the proposed contract, which may be awarded.

By submitting a Proposal, the Proponent warrants that there is no collusion or arrangement, formal or informal, between the Proponent and any other actual or prospective Proponent in connection with its Proposal submitted for this RFP; the Proponent has no knowledge of the contents of any other Proposal; and the Proponent has made no comparison of figures, agreement or arrangement, express or implied, with any other party in connection with the making of its Proposal, except as are declared within the Proposal.

2.12 DISCLOSURE OF INTEREST

The Proponent is required to fully disclose in its Proposal:

- a) Any relationship the Proponent may have with any employee, officer, or director of the Authority; and
- b) The nature of that relationship.

Failure to disclose, or false or insufficient disclosure of the nature and extent of the relationship the Proponent may have with an employee, officer or director of the Authority shall be grounds for immediate termination of any contract with the Authority in the Authority's sole discretion without further liability or notice.

2.13 SELECTION PROCESS

Following the closing date and time, it is the intention of the Authority to evaluate all Proposals received according to the evaluation criteria described in the RFP documents.

In addition to Section **Error! Reference source not found.** of this RFP - *Reserved Rights of the Authority*, the Authority further expressly reserves the right in its sole discretion to:

- (a) Clarify any Proposal received without becoming obligated to offer the same opportunity to any or all of the other Proponents;
 - (b) Negotiate with one of more Proponent prior to award without becoming obligated to offer the same opportunity to any or all other Proponents;
 - (c) Waive any minor or technical non-compliance by a Proponent with the requirements of this RFP without becoming obligated to waive any other non-compliance by any other Proponent; and
-

- (d) Accept any Proposal(s) which in the Authority's opinion offers best overall value or are the most advantageous Proposal(s) for the Authority.

The Authority shall not be bound by this RFP to accept any or all Proposals and may cancel this RFP in whole or in part at any time without any liability whatsoever.

2.14 EVALUATION CRITERIA

The Authority will evaluate all Proposals in the following categories, looking for overall value and the most advantageous Proposal:

- Fee Proposal,
- Experience & quality of service,
- Demonstrated installation base in North American Airports,
- Service availability,
- Delivery time, and
- Warranty period.

2.15 WAIVER OF NON-COMPLIANCE

Proposals which contain qualifying conditions or otherwise fail to conform to the instructions herein may be disqualified or rejected. The Authority may, however, in its sole discretion, retain, for its consideration, evaluation and potential award, Proposals which are non-conforming because they do not contain the content or form required by the instructions in this RFP or because the Proposal does not comply with the process for submission set out in the instructions in this RFP.

2.16 CONFIDENTIALITY

Notwithstanding anything contained herein, the Proponent agrees that it will not exploit any information, whether delivered to the Proponent by the Authority, or whether retrieved by the Proponent by any other means and will make no direct or indirect disclosure to any other party of said information without the prior, express written agreement of the Authority.

2.17 APPLICABLE LAW

The laws and courts of British Columbia shall apply and have exclusive jurisdiction over this RFP and any subsequent contract which may be awarded.

2.18 COMPLIANCE WITH LAWS

The Proponent with whom the Authority chooses to enter into a contract, if any, shall comply with all federal, provincial, and local laws, regulations, requirements and orders applicable to the performance of any contract which may result from this RFP process.

2.19 NO LIABILITY

By submitting a Proposal, the Proponent agrees that in no event will the Proponent claim damages for any amount whatsoever for any cost incurred by the Proponent in preparing its Proposal or for matters relating to any agreement or matters concerning the competitive process, and, the Proponent, by submitting a Proposal, waives any claim for loss of profits if no contract is made with the Proponent.

Any information contained in this RFP and attachments is provided to assist the Proponent in the preparation and submission of its Proposal. The Authority assumes no responsibility for the use of this information for any other purpose.

2.20 CONSENT TO INVESTIGATION

In order to allow the Authority to properly determine the qualifications and capabilities of a Proponent, the Authority reserves the right in its sole discretion to conduct such investigations of a Proponent's business experience, financial capability and business practices as it deems necessary, and the Proponent agrees to permit and co-operate with such investigations.

2.21 ALTERING DOCUMENTS

Proponents must not electronically alter any portion of this RFP with the exception of adding the information requested. To do so will invalidate the Proponent's Proposal or response.

2.22 DISCLAIMER

While precautions have been taken to ensure that this file will not interfere with or cause damage to your system or its existing data, the Authority accepts no responsibility for damages that may be caused by this file and makes no other warranty or representation, either expressed or implied, with respect to this file. This file is provided "as is," and you, the user, assume the entire risk when you use it.

2.23 WAIVER

Due to the vagaries of electronic transmissions, the Authority does not guarantee, nor will it be liable for the accuracy of what is read or what is downloaded in this file.

2.24 OWNERSHIP

All Proposals and supporting material will become the property of VAA.

2.25 RESERVED RIGHTS OF THE AUTHORITY

The Authority reserves the right to request clarifications and/or additional information as is necessary to properly evaluate a Proposal, negotiate with any Proponent or with another Proponent or Proponents concurrently. The Authority is not required to offer any modified terms to other Proponents. The Authority shall incur no liability to any Respondents as a result of such negotiations or modifications.

The Authority reserves the right to cancel this RFP, to reject any or all Proposals; to re-advertise for Proposals if necessary; to waive minor irregularities and formalities; and to accept the Proposal which offers, in the Authority's sole judgement, the best overall value for the Authority. All expenses incurred by the Proponents will be solely at its own cost.

This RFP does not constitute an offer. No contract shall result upon submission of Proposals. The Authority is not under obligation to enter into a contract with anyone in connection with this RFP or responses received, nor pay for any costs incurred in the preparation of Proposals submitted in response to this RFP.

The Authority will consider past performance of the Proponent on other agreements in terms of quality of work and compliance with terms and conditions of those agreements. The Authority may also utilize other available resources to determine the Proponent's record of past performance.

3.0 PRODUCTS AND SERVICE PROPOSAL

3.1 SCOPE OF PRODUCTS AND SERVICE

The Proponent's Proposal is to provide the Authority with an option for an Airport Self-Propelled Snowblower capable of removing snow banks and windrows from the airport runways, taxiways, aprons, and other paved surfaces. **The Airport Authority is in no way required to award to the lowest bidder and are looking for the best overall value for our needs.**

See Appendix E for Specification List.

3.2 FEES FOR PRODUCTS AND/OR SERVICE

The Proponent is required to supply a base price for the vehicle that is being proposed and options for that vehicle. It is recommended that the Proponent inserts the price matrix that includes all available options on the vehicle but that ensures that the specifications set out in Appendix E are met.

Please add any additional costs for training, shipping or other associated costs that would add to the bottom line price of the new Airport Self-Propelled Snowblower.

4.0 CONTRACT INFORMATION

4.1 NEGOTIATIONS

The Authority intends to negotiate and conclude a contract with the most qualified and responsible Proponent offering the best overall value and quality, and most advantageous Proposal.

In the event a Proponent and the Authority fail to reach agreement, negotiations may be terminated by the Authority, without any compensation whatsoever payable to the Proponent. An alternate Proponent may then be invited to participate in the negotiation process.

The process may be repeated as often as necessary.

4.2 REJECT AND RE-NEGOTIATE

The Authority may reject all Proposals received and re-advertise for Proposals if necessary. Such cancellation of the RFP process does not preclude the Authority from subsequently meeting with any Proponent to negotiate a contract that best suits the needs of the Authority.

4.3 NO CONTRACTUAL OBLIGATION

The Authority shall not be obligated in any manner to any Proponent whatsoever until a written contract has been negotiated and duly executed related to any Authority accepted Proposal.

4.4 CONTRACT OFFER

Any offer for a contract at the Airport shall be made in writing only by the Authority's President and CEO.

APPENDIX A
RFP RECEIPT CONFIRMATION FORM

*To receive any further distributed information about this Request for Proposal, Proponents must complete this form and email it before end of **February 21, 2024**, to the attention of:*

Sarah Venn, Administrative Operations Officer, at sarah.venn@victoriaairport.com

COMPANY NAME: _____

STREET ADDRESS: _____

CITY: _____ **PROVINCE:** _____ **POSTAL CODE:** _____

MAILING ADDRESS (IF DIFFERENT THAN ABOVE):

FAX NUMBER: (____) _____ **PHONE NUMBER:** (____) _____

CONTACT PERSON: _____

TITLE: _____

E-MAIL ADDRESS: _____

All further correspondence from the Authority about this Request for Proposals will be sent by email to the contact person and email address noted above.

Please sign and date this form before submitting:

Signature: _____ Date: _____

APPENDIX B
PROPONENT'S INFORMATION

This document is intended to provide information on the capacity, skill, and experience of the Proponent. The Proponent may supplement information requested with additional sheets if required.

1. Submitted to:

Victoria Airport Authority
Victoria International Airport
Airside Operations Centre
9751 Dakota Road
North Saanich, B.C. V8L 5V6

Attention: Lars Olsson, Director, Airside Operations and Safety

2. Submitted by:

Company Name (full legal name): _____

Name and Title of Contact Person: _____

Address: _____

Phone: _____ Fax: _____ E-Mail: _____

Website: _____

3. Legal Structure of Company:

Year Established: _____ Joint Venture: _____ Corporation: _____ Partnership: _____

Registered: _____ Sole Proprietor: _____ Other: _____

Names and Titles of Officers, Partners, Principal:

Name:	Title:
_____	_____
_____	_____
_____	_____
_____	_____

4. Corporate Details:

Company Website: _____

Total Annual Sales: _____

Total Number of Employees: _____

Are your employees represented by a union: Yes _____ No _____

Name of Bargaining Unit (if applicable): _____

Location of Corporate Headquarters: _____

Location of Closest Office to Airport: _____

5. Financial References:

a. Bank Name: _____

Location: _____

Contact Person(s): _____

Phone: _____ E-Mail: _____

b. Bonding Company: _____

Location: _____

Contact Person(s): _____

Phone: _____ E-Mail: _____

6. List current Airports that have an Airport Self-Propelled Snowblower from your company:

(a) Facility and Location: _____

Description: _____

Facility Owner: _____

Owner's Representative (*for reference purposes*): _____

Phone: _____ E-Mail: _____

(b) Facility and Location: _____
Description: _____

Facility Owner: _____
Owner's Representative (*for reference purposes*): _____
Phone: _____ E-Mail: _____

(c) Facility and Location: _____
Description: _____

Facility Owner: _____
Owner's Representative (*for reference purposes*): _____
Phone: _____ E-Mail: _____

APPENDIX C
PROPONENT’S SUBMISSION CHECKLIST

Proponents are advised that Proposals which do not include all of the following documents will be considered incomplete and may be rejected.

Documents to be Submitted	Due Date	Included?
Appendix A - Receipt Confirmation Form	February 21, 2024	<input type="checkbox"/>
Completed Proposal	3:00PM PST on March 7, 2024	<input type="checkbox"/>
Appendix B - Proponent’s Information	3:00PM PST on March 7, 2024	<input type="checkbox"/>
Appendix C – Proponent’s Submission Checklist	3:00PM PST on March 7, 2024	<input type="checkbox"/>
Appendix D – Proponent’s Declaration	3:00PM PST on March 7, 2024	<input type="checkbox"/>
Appendix E – Airport Self-Propelled Snowblower Specifications	3:00PM PST on March 7, 2024	<input type="checkbox"/>

APPENDIX D
PROPONENT’S DECLARATION

The Proponent confirms it has obtained and carefully examined all documents comprising this Request for Proposal (RFP) including all addenda, if any, issued by the Victoria Airport Authority (Authority), which addenda are as follows:

<u>Addendum No.</u>	<u>Date of Issue</u>
_____	_____
_____	_____

The Proponent, having reviewed all of the RFP, hereby undertakes and agrees to offer to the Authority to supply the services as described in the RFP.

Except as specified within its Proposal, the Proponent declares that no other person, either natural or corporate, has or will have any interest or share, directly or indirectly, in this Proposal or in the proposed contract which may be awarded. There is no collusion or arrangement, formal or informal, between the Proponent and any other actual or prospective Proponents in connection with Proposals submitted for this RFP; the Proponent has no knowledge of the contents of any other Proposal; and the Proponent has made no comparison of figures, agreement, or arrangement, express or implied, with any other party in connection with the making of its Proposal, except as are declared within the Proposal.

The Proponent hereby declares that it has no relationship with any employee, officer, or director of the Authority, except as may be disclosed within the Proposal.

EXECUTED THIS _____ DAY OF _____, 2024 AT _____ IN THE PROVINCE OF BRITISH COLUMBIA.

LEGAL SEAL OF CORPORATION (IF REQUIRED)

WITNESS SIGNATURE

WITNESS NAME

ADDRESS

CITY, PROVINCE, POSTAL CODE

PROPONENT AUTHORIZED SIGNATURE

NAME OF PROPONENT SIGNING OFFICER

LEGAL NAME OF PROPONENT

ADDRESS OF PROPONENT

CITY, PROVINCE, POSTAL CODE

CONTACT TELEPHONE NUMBER

CONTACT FAX NUMBER

E-MAIL ADDRESS

APPENDIX E

AIRPORT SELF-PROPELLED SNOWBLOWER SPECIFICATIONS

The requirement is for an airport self-propelled four-wheel drive snowblower with a minimum capacity of 3,500 tons per hour.

Overview

The snowblower shall be designed to operate on paved or gravel surfaces at the airport.

The snowblower shall have a blower engine of minimum 520 hp.

The snowblower shall have a chassis engine of minimum 250 hp.

The snowblower shall be based on the manufacturer or supplier's latest commercial product including the specifications contained herein.

The snowblower offered shall have successful in-service histories, or verifiable evidence of successful acceptance testing in Canada.

The snowblower shall be complete with all accessories customarily furnished and installed on this type of unit, whether specified or not, to enable the snowblower to function reliably and efficiently under all conditions of service.

The overall design and construction of the entire snowblower shall comply with all applicable Canadian Federal and Provincial rule and regulations for off highway use.

Mandatory Items

Items noted in this specification as "shall", "minimum", and "maximum" are mandatory requirements.
NO UNAPPROVED DEVIATIONS WILL BE ACCEPTED FOR THESE ITEMS.

Responses

Any responses noted as "approximately" shall be interpreted as actual. All non-completed areas shall be interpreted as non-compliance. Ensure the Compliance Document is submitted with the proposal and please use additional sheets to explain compliance/non-compliance ensuring the numbering is quoted for section you are responding to.

COMPLIANCE DOCUMENT

1.0 COMPONENT CERTIFICATION	
1.1 All components of the snowblower shall be new parts, not refurbished or used.	Comply Yes [] No [] (explain)
1.2 Upon request, the manufacturer or supplier shall obtain component certifications from the component manufacturer for any items installed on the snowblower. All certificates shall indicate the model of the machine on which the component will be installed and the characteristics for which the component was designed.	Comply Yes [] No [] (explain)
2.0 DELIVERY	
2.1 Delivery costs: The price quoted shall include all shipping costs to Victoria International Airport, Sidney, British Columbia	Comply Yes [] No [] (explain)
2.2 Delivery Date: The snowblower shall be delivered no later than (provide delivery date):	Delivery Date: _____
2.3 Pre-Delivery Service: A pre-delivery service shall be completed by the snowblower manufacturer or supplier prior to delivery at the final destination. The snowblower shall be lubricated, serviced and checked following the manufacturer or supplier’s maintenance procedures. The manufacturer or supplier shall supply at their expense, all associated products and supplies for this pre-delivery service. All products and supplies shall be suitable for the climatic and operational conditions of the final delivery destination. Pre-Delivery Dealer (Company name and address):	Comply Yes [] No [] (explain)

3.0 INSPECTION	
<p>3.1 Delivery Inspection: The manufacturer or supplier is responsible to ensure that the snowblower is thoroughly tested, inspected and that all deviations and deficiencies are corrected prior to delivery. The consignee reserves the right to inspect the snowblower at any stage of production and have all deviations and deficiencies corrected upon request. A final operational and maintenance inspection shall be completed by the consignee at the destination point. The unit shall be delivered with no greater than thirty (30) engine hours.</p>	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
4.0 WARRANTY	
<p>4.1 Snowblower Warranty Period: The snowblower manufacturer or supplier shall provide an unconditional warranty on all components and systems including but not limited to the following: engine(s), axles, gearboxes, differentials, electrical, hydraulic, and air control systems. This warranty shall include repair labour and parts. The warranty period shall be for a minimum of two (2) years for the engine(s) and one (1) year for all other components. The warranty shall take effect of the date of delivery to the consignee.</p> <p>Provide details:</p>	Details Provided <input type="checkbox"/>
<p>4.2 Warranty Coverage: The warranty noted shall include all failures attributed to lack of, or improper installation of all fail-safe mechanisms, i.e. engine shutdown devices, relief valves, other system protection devices and shutdowns, etc.</p> <p>Provide details:</p>	Details Provided <input type="checkbox"/>

<p>4.3 Warranty Claims: If requested warranty repairs have not commenced within twenty-four (24) hours following notification of the snowblower manufacturer or supplier, the airport reserves the right to complete repairs and bill the selling agent for repair parts and labour costs incurred in completing the requested warranty repairs. Specify the dealer responsible for performing required warranty repairs. Provide the name, address and phone number of a designated dealer representative and alternate to contact should warranty repairs be required.</p> <p>Dealer Name, Address, and Phone Number:</p>	<p>Designated Dealer Representative Information Provided</p> <p>[]</p>
<p>5.0 CAPACITIES</p>	<p>ACTUAL</p>
<p>5.1 The snowblower shall have a minimum horsepower of 520 hp for the bankhead and 250 hp for the chassis.</p>	<p>Bankhead _____ hp</p> <p>Chassis _____ hp</p>
<p>5.2 The snowblower shall have a minimum casting distance (depending on conditions) of 100 feet.</p>	<p>Casting Distance _____ feet</p>
<p>5.3 The snowblower shall have a maximum ground speed of no less than 60 km/hr.</p>	<p>Max Ground Speed</p> <p>_____ km/hr</p>
<p>6.0 WEIGHT AND DIMENSIONS</p>	
<p>6.1 The snowblower shall have a maximum dry weight of 17,000 kgs. (37,478.00 lbs)</p>	<p>Max. Weight _____ kgs</p> <p>or _____ lbs</p>
<p>6.2 The wheelbase of the snowblower shall be no longer than 406 cm. (160 inches)</p>	<p>Length _____ cm</p> <p>or _____ inches</p>

<p>6.3 The overall length of the snowblower including blower head shall be no longer than 950 cm. (374 inches)</p>	<p>Length _____ cm or _____ inches</p>
<p>6.4 The overall width of snowblower including blower head shall be no wider than 290 cm. (114 inches)</p>	<p>Width _____ cm or _____ inches</p>
<p>6.5 The overall height of the snowblower shall be no more than 396 cm (156 inches).</p>	<p>Height _____ cm or _____ inches</p>
<p>6.6 The snowblower shall have a maximum wall to wall turning diameter of 20.8 meters. (68 feet)</p>	<p>Wall to wall turning radius _____ meters or _____ feet</p>
<p>7.0 CARRIER AND BLOWER DRIVE ENGINES</p>	
<p>7.1 General</p>	
<p>7.1.1 The carrier and blower drive engines shall be a commonly available four stroke, liquid cooled diesel of current manufacture.</p>	<p>Carrier engine make and model: _____ Blower engine make and model: _____</p>
<p>7.2 Fuel System</p>	
<p>7.2.1 A fuel filter/water separator, complete with a transparent bowl, and replaceable element shall be installed in the fuel</p>	<p>Fuel filter make and model:</p>

system between the fuel supply tank and the carrier and blower drive engines.	_____
7.2.2 The fuel filter/water separator shall be approved for this application by the engine manufacturer.	Comply Yes [] No [] (explain)
7.2.3 Provide a combine minimum capacity of 606 litres (160 gallon) fuel tanks either in separate tanks for each engine or in one common tank.	Actual: _____
7.2.4 If dual tanks are used for either carrier or the blower engine then a crossover line of a minimum diameter of one (1) inch shall be used to ensure the adequate transfer of fuel to the other tank. The crossover line shall have one-quarter (1/4) turn ball valves installed on each end to shut off fuel in the event of a hose failure.	Comply Yes [] No [] (explain)
7.2.5 The filler spout(s) shall be easily accessible and well protected from slush, snow and dirt accumulation.	Comply Yes [] No [] (explain)
7.3 Cooling System	
7.3.1 The radiator on the carrier and blower drive engines shall have either a coolant reservoir or a sight glass installed in the top header tank.	Comply Yes [] No [] (explain)
7.3.2 There shall be safe access provided for coolant level checks on the carrier and blower engines.	Comply Yes [] No [] (explain)
7.3.3 The cooling system shall be supplied with coolant effective to -40C.	Comply Yes [] No [] (explain)
7.3.4 All hoses in the cooling system of the carrier and blower engines shall be of silicone type.	Comply Yes [] No [] (explain)
7.3.5 A replaceable element coolant filter shall be installed on the carrier and blower drive engines.	Comply Yes [] No [] (explain)

7.3.6 An electrical engine coolant heater of appropriate size shall be installed on the carrier and blower drive engines.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
8.0 AIR INTAKE SYSTEM	
8.1 The carrier and blower drive engines shall have a dry type air filtration with secondary (safety) air filters installed.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
9.0 EXHAUST SYSTEM	
9.1 The muffler and tailpipes shall be located as far away from the cab as possible.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
9.2 The exhaust system shall be of a size that avoids undue backpressure and shall be located and constructed in such a manner that the entrance of exhaust gases into the cab is minimized under all conditions of operation.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
9.3 The exhaust system shall be constructed of high-grade rust resistant materials.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.0 CHASSIS SYSTEM	
10.1 Steering	
10.1.1 The chassis shall be equipped with power-assisted steering.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.2 Suspension	
10.2.1 Both the front and rear springs shall be progressive with a sufficient weight rating to support the snowblower.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.3 Transmission	
10.3.1 The snowblower shall have a fully automatic transmission that is approved for this application by the	Transmission make and model:

manufacturer. The transmission/transfer case combination shall have a minimum of six (6) forward speeds.	_____
10.3.2 The snowblower shall be provided with an automatic safety device to ensure that the vehicle engine can only be started in neutral range and the range selector cannot be inadvertently shifted into reverse. The shift control quadrant shall be illuminated.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.3.3 The snowblower shall have a transmission oil cooler, transmission oil filter and a dash mounted transmission oil temperature gauge and a high temperature warning light or warning system.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.4 Transfer Case	
10.4.1 The snowblower vehicle shall have a transfer case that will allow four (4)-wheel drive operation with control and engagement indicators in the cab.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.4.2 The proportioning or center differential shall have a differential lock with control and engagement indicators in the cab.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.4.3 The two (2) speed transfer case (if required to comply with item 4.3.1) shall have control and engagement indicators in the cab.	Transfer case make and model: _____
10.5 Axles	
10.5.1 Front and rear axles shall have adequate capacity to carry the maximum imposed load under all intended operating conditions.	Front axle make and model: _____ Rear axle make and model: _____
10.5.2 Front and rear axles shall have planetary wheel hubs.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)

10.5.3 The front and rear axles shall have a driver-controlled differential locking mechanism with control and engagement indicators in the cab.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.6 Air Brakes	
10.6.1 The snowblower air brake system shall conform to the latest air brake standard.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.6.2 A heated air dryer with moisture ejector (Bendix AD-9 or equivalent) shall be installed in the air brake system.	Make and model: _____
10.6.3 An air intake with check valve and bracket shall be installed in a convenient location on the left side of the vehicle near the cab step to allow for precharging of the vehicle air system. The purchaser will install the correct air fitting adapter.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.7 Tires and Wheels	
10.7.1 All tire and wheel assemblies shall have a minimum rating of the maximum axle loading. The tires shall have an aggressive tread designed to provide maximum traction on all types of surfaces including sand, mud, snow, ice and hard surfaces, wet or dry.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.7.2 Tires shall be on/off road type, tubeless radials, make Michelin XZL 14.00 R20 or approved equivalent.	Tire make and model: _____
10.7.3 Supply one spare tire and rim of the same size and type as installed on the snowblower.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.7.4 All five (5) tires shall be identical.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
10.8 Towing	
10.8.1 Two (2) heavy duty towing hooks shall be provided on the rear of the snowblower. They shall be of sufficient strength for recovery of a fully laden vehicle.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)

11.0 BODY SYSTEMS	
11.1 Bodywork	
11.1.1 The snowblower cowlings shall have large doors to provide easy access to all major components for maintenance.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.1.2 Steps, ladders and walkways shall be constructed of, or covered with, a slip resistant material.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.1.3 Handrails or bulwarks shall be provided where necessary for the safety and convenience of the operator. Rails and stanchions shall be strongly braced and constructed of durable, corrosion-resistant material. Handrails shall be constructed of, or covered with, a slip-resistant material.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.1.4 Cab access handles, to be painted steel, aluminum or plastic, shall be installed at convenient locations to facilitate safe entry and exit from the vehicle.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2 Cab	
11.2.1 Fully insulated metal cab equipped with maximum capacity fresh air intake heating system and defrosting system, with air intake protected from the ingress of rain, snow, engine or fuel vapours.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.2 The cab heating and defrosting systems shall be capable of maintaining an interior temperature of 20 degrees C with an outside temperature of minus 30 degrees C.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.3 The cab shall have an appropriate number of air vents to allow for sufficient air exchange.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.4 The heater/defroster shall have a minimum of 2 outlets for the front windshield and one outlet for each of the side windows.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.5 The snowblower cab shall have a 2 speed electrical fan mounted so as to assist with the defrosting/defogging of the cab windows.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)

11.2.6 The cab windows, front, side and rear, shall be the maximum size and number available so as to provide the best possible visibility for the operator.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.7 The front windshield shall be reverse sloped and made of tinted laminated glass.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.8 A sound proof 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 with SAE J336.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.9 Seating shall be provided for the driver and one passenger. The driver’s seat shall be a cloth air ride suspension seat. Provide seat belts for both seats.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.10 The steering column shall be telescoping and have an adjustable tilt.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.11 Provide dual mirrors, minimum 15 cm (6 inch) x 40 cm (16 inch) size that are electrically heated and remotely adjustable from inside the cab. Convex mirrors shall be mounted below these mirrors.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.12 The snowblower front windshield shall be equipped with a 2 speed electrical windshield wiper with intermittent control.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.13 The snowblower front windshield wipers shall have windshield washers.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.14 Three (3) fused power supply cords shall be provided in the cab for the installation of radios.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.2.15 The cab shall have skid resistant flooring that is easy to clean and does not retain moisture or chemicals which may cause corrosion.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
11.3 Electrical	
11.3.1 The snowblower shall be equipped with a 12 volt negative ground electrical and starting system.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)

<p>11.3.2 The snowblower shall be equipped with a battery isolations switch to completely isolate the batteries from the electrical system. The isolation switch shall be installed in a convenient location and able to withstand moisture and other contamination.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>11.3.3 Twelve (12) volt batteries having a total minimum of 3600 CCA shall be provided. Only maintenance free batteries are acceptable.</p>	<p>Actual CCA: _____</p>
<p>11.3.4 A commonly available alternator shall be installed. The alternator minimum output current rating shall be 150 amps. The alternator connections shall be effectively protected from ingress of water and other contaminants.</p>	<p>Alternator make & model: _____ Alternator output current: _____</p>
<p>11.3.5 A backup light and audible backup alarm of minimum 97 decibel rating shall be installed so as to activate when the vehicle is in reverse gear.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>11.3.6 All external wiring shall be protected inside loom and well secured to prevent vibration or other damage to wiring harness elements. All wiring harness connections shall be waterproof. Careful attention will be given to workmanship and detail.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>11.3.7 All wiring harness conductors shall be colour coded, and/or coded every six (6) inches of length. Marking and indexing methods shall be permanent in nature. Circuit identification markers shall be attached to each end of a conductor.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>11.3.8 The wiring shall comply with SAE recommended practice for vehicles and shall include cables and harness coverings that are resistant to high temperatures, flames, oil and abrasion. All external wiring shall be protected and well secured to prevent vibration or other damage to wiring harness elements. All wiring harness connections shall be waterproof.</p>	<p>Comply Yes [] No [] (explain)</p>

<p>11.3.9 All electrical circuits shall be adequately protected from overload with easily accessible circuit breakers.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>12.0 INSTRUMENTATION AND CONTROLS</p>	
<p>12.1The minimum number of instruments, warning lights and controls consistent with the safe and efficient operation of the snowblower shall be provided. All chassis instruments and warning lights shall be grouped together on a panel in front of the driver. All instruments and controls shall be illuminated and identified.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>12.2 The following instruments or warning lights shall be provided in the cab as a minimum:</p>	
<p style="text-align: right;">Speedometer/odometer</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Engine/vehicle hour meter</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Voltmeter</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Carrier engine tachometer</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Carrier engine oil pressure gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Carrier engine water temperature gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Carrier engine air filter restriction gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Blower engine tachometer</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Blower engine oil pressure gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Blower engine water temperature gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Blower engine air filter restriction gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Brake system air pressure gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Low pressure warning lamp or buzzer</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Transmission oil temperature gauge</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Fuel level gauge(s)</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p style="text-align: right;">Parking brake indicator lamp</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>12.3 The carrier and blower drive engines shall have fast idle systems installed.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>12.4 Provide an air horn complete with snow shield.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>13.0 LIGHTING</p>	
<p>13.1 The snowblower shall comply with Transport Canada regulations and standards with respect to identification lighting.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>

<p>13.2 A high intensity amber double flash strobe light, Star Warning Systems Model #201b-12v-a shall be installed on the cab roof of the snowblower.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>13.3 The snowblower shall have four (4) lights mounted on the front of the vehicle or blower frame in addition to the headlights. They shall be mounted high enough to provide illumination in front of the vehicle even if the blower head is fully raised. They shall be operated with a single separate switch.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>13.4 The cab shall be fitted with interior dome lights capable of providing sufficient illumination for reading.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>13.5 Engine compartment lights, complete with conveniently located switches, shall be provided to assist with the checking of engine fluids.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>13.6 All parking and marker lights must be of LED type.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>14.0 PAINTING</p>	
<p>14.1 The chassis frame and undercarriage shall be primed and painted black to the highest quality industrial standard.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>
<p>14.2 The snowblower body shall be prepared and painted to the highest quality industrial standard.</p>	<p>Body paint color: _____</p> <p>Body paint number: _____</p>
<p>15.0 BLOWER HEAD UNIT</p>	
<p>15.1 The blower head shall be two (2) stage ribbon type. The first stage shall consist of two (2) ribbons to push the snow towards the center. The second stage shall consist of a fan impeller to cast the snow to the left or right side.</p>	<p>Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)</p>

<p>15.2 The blower head shall have a minimum width of 280cm (110 inches)</p>	<p>Actual : _____</p>
<p>15.3 The blower head ribbons shall be abrasion resistant steel AR400. And be a minimum of 52 inches in diameter.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>15.4 The blower head shall have a full length, one piece scraper blade bolted to the front bottom edge of the head. The scraper blade shall be a minimum of three-quarter (3/4) inch thick with a carbide insert.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>15.5 The blower head shall have a minimum of five (5) carbide skated bolted on the underside of the head. The skates shall have a minimum of 194 cm² (30 inches²) wear surface and 58 cm² (9 inch²) of carbide surface.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>16.0 IMPELLER</p>	
<p>16.1 The impeller shall have a minimum diameter of 54 inches.</p>	<p>Actual diameter: _____</p>
<p>16.2 The impeller shall have a minimum of five (5) blades with replaceable bolt-on panels.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>16.3 The impeller casing shall be constructed of abrasion-resistant steel (AR400 minimum) with a minimum thickness of 9.5 mm (3/8" in).</p>	<p>Comply Yes [] No [] (explain)</p>
<p>16.4 The impeller casing shall be capable of casting snow through a minimum arc from horizontal (flat cast) on one side to 45 degrees on the other side.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>16.5 The impeller casing shall be rotated via a hydraulic motor.</p>	<p>Comply Yes [] No [] (explain)</p>
<p>16.6 The hydraulic cylinder or motor shall be capable of rotating the impeller casing throughout its total arc in less than 10 seconds.</p>	<p>Comply Yes [] No [] (explain)</p>

17.0 CLUTCH & REDUCTION GEAR	
17.1 The clutch shall be internal piston hydraulic actuated (external cylinder not acceptable). Reduction gear shall be certified by the manufacturer for this type of application and load.	Make and model: _____
17.2 The reduction gearbox clutch (to engage blower head) shall have control and engagement indicators in the cab.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
17.3 A protection device shall be installed to ensure that the reduction gearbox clutch (blower head) may only be engaged when the blower engine is idle.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
17.4 A protection device shall be installed to ensure that the blower engine cannot be started if the reduction gearbox clutch (blower head) is engaged.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
17.5 A protection device shall be installed to ensure that if the clutch does not fully engage, then the clutch is released to the fully disengaged position.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
18.0 BLOWER HEAD DRIVE SHAFTS	
18.1 The drive shafts and u-joints shall be of sufficient size to carry the imposed loads at a duty cycle of 50% or more for a minimum of seven-hundred & fifty (750) hours without failure.	Actual calculated u-joint life: _____
18.2 The blower head drive shafts shall have easily and safely accessible shear bolts installed to protect against overloads.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
18.3 The blower head drive shafts shall have drive shaft guards constructed and situated so that no damage will be done to other components in the event of u-joint or driveshaft failure. There shall be a minimum of two guards per driveshaft section.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)
19.0 CONVEYOR DRIVE	
19.1 The conveyor drive shafts shall have easily and safely accessible shear bolts installed to protect against overloads.	Comply Yes <input type="checkbox"/> No <input type="checkbox"/> (explain)

20.0 HYDRAULIC SYSTEM	
20.1 The hydraulic system shall use Dexron III ATF or Chevron THF 1000 as hydraulic fluid.	Comply Yes [] No [] (explain)
20.2 The hydraulic system reservoir shall have easily visibly sightglass installed.	Comply Yes [] No [] (explain)
20.3 The hydraulic system have a replaceable hydraulic filter.	Comply Yes [] No [] (explain)
20.4 All hydraulic functions shall be controlled from electronic joysticks(s) mounted at or near the operator’s seat.	Comply Yes [] No [] (explain)
21.0 SUPPLEMENTARY REQUIREMENTS	
21.1 Manuals	
21.1.1 The snowblower manufacturer or supplier shall provide the manuals listed below for the snowblower delivered. Electronic manuals are preferred. The contract will not be considered complete until all manuals noted are received.	Comply Yes [] No [] (explain)
21.1.2 Two (2) copies of overall maintenance and repair manuals shall be provided. These manuals shall be current, complete in all respects and not copies (i.e. not photocopies) of other manuals. Maintenance manuals shall detail correct maintenance procedures for all components and system installations. The manuals shall include electrical and hydraulic schematics of the entire snowblower.	Comply Yes [] No [] (explain)
21.1.3 Two (2) copies of an overall parts manual shall be provided. This manual shall list each individual component manufacturer’s part number and provide detailed indexed line drawings of all major snowblower assemblies. All drawings shall be clearly illustrated and detailed. The snowblower manufacturer or supplier’s stock number for each component shall be easily cross-referenced with the component manufacturer’s part numbers in the manual.	Comply Yes [] No [] (explain)
21.1.4 One (1) copy of OEM Parts and Maintenance Manuals shall be supplied by the respective manufacturer (OEM) for each of the major components installed on the snowblower; i.e.	

chassis engine, transmission, transfer case, etc. Note that all OEM documentation shall apply to the snowblower on which it is installed. Generic manuals that exclude necessary details or relevant information necessary for repair and maintenance are unacceptable AND WILL BE REJECTED.	Comply Yes [] No [] (explain)
21.1.5 Two (2) copies of a current operator’s manual shall be supplied with the snowblower. Operator’s manuals shall be complete in all respects and detail safe operator, adjustment procedures, daily maintenance procedures. DVDs may augment but not replace operator manuals.	Comply Yes [] No [] (explain)
22.0 TRAINING	
22.1 On-site training for operators and mechanics to be provided upon delivery of snowblower. Training materials to be provided digitally.	Comply Yes [] No [] (explain)
23.0 SPARE PARTS	
23.1 The manufacturer or supplier shall ensure that spare parts required to properly maintain and repair this snowblower will be available from his premises in Canada for prompt delivery to the purchaser for a period of at least ten (10) years.	Comply Yes [] No [] (explain)
23.2 The provision of all parts shall be treated as URGENT (unless otherwise specified) and shall be shipped by the quickest means (including air) so that delivery will be made within 48 hours. A certified statement to this effect by the manufacturer or supplier shall be included in the tender.	Comply Yes [] No [] (explain)

Note: Use separate page to explain non-compliance ensuring numbering of each section is referenced.

Example:

23.2	Does not comply with specifications because XX