



**THE NORTH BAY JACK GARLAND AIRPORT CORPORATION
TENDER 2019-07
FOR THE SUPPLY OF (1) DETACHABLE SNOWBLOWER**

1. Scope of Work

The North Bay Jack Garland Airport Corporation will accept tenders for the supply of one (1) new Detachable Snowblower as per the specifications contained herein.

To receive consideration, tenders must be submitted on the tender forms supplied and in an envelope plainly marked “Airport Tender Detachable Snowblower”.

The lowest or any tender not necessarily accepted.

2. Delivery and Opening of Tenders

Tenders sealed in an envelope, plainly marked “Airport Tender Detachable Snowblower”, will be received by The North Bay Jack Garland Airport Corporation, c/o Mr. Jack Santerre Manager, North Bay Airport, 50 Terminal St. Suite 1, North Bay, Ontario, until 11:00 a.m. and no later than 11:00 a.m., local time as shown on the official bid receiving clock, June, 3 2019.

A public tender opening will take place at 1:00 p.m., June 3, 2019 in the Airport boardroom located on the second floor of the Airport Administration Building at 50 Terminal St. North Bay

This tender shall remain open for acceptance for a period of 60 days.

3. Disqualification of Tenders

Under no circumstances will tenders be considered which:

- a. are received after 11:00 a.m. on the advertised closing date for tenders.

4. Withdrawal or Qualifying of Tenders

A tenderer who has already submitted a tender may submit a further tender at any time up to the Official closing time. The last tender received shall supersede and invalidate all tenders previously submitted by the tenderer for this tender.

5. Informal or Unbalanced Tenders

Tenders which are incomplete, conditional, illegible, or obscure, or that contain additions not called for, reservations, erasures, alternations or irregularities of any kind may be rejected as informal.

Tenders that contain prices which appear to be so unbalanced as likely to affect adversely the interests of The North Bay Jack Garland Airport Corporation may be rejected.

Wherever in a tender the amount tendered for an item does not agree with the extension of the estimated quantity and the tendered unit price, the unit price shall govern and the amount and the Total Tender Price shall be corrected accordingly.

The North Bay Jack Garland Airport Corporation reserves the right to waive formalities at his discretion.

Tenderers who have submitted tenders that have been rejected by The North Bay Jack Garland Airport Corporation because of informalities will normally be notified of the reasons for the rejection within ten (10) days after the closing date of tenders.

6. Tender

Each tender shall include a completed Form of Tender as required herein. The complete written tender documents must be submitted as a tender and the Form of Tender must not be separated nor removed from the other documents therewith. The tenderer shall give the total tender price in figures and shall fill in all blank spaces for unit prices, item prices, lump sums, time for completion and other information in the Form of Tender.

7. Acceptance or Rejection of Tenders

The North Bay Jack Garland Airport Corporation reserves the right to reject any or all tenders in the best interest of the Corporation. The lowest or any tender will not necessarily be accepted.

8. Material

All material provided is to be new and conform to the specifications herein

9. Terms of Payment

Upon receipt and acceptance payment will be made within 30 days of receipt of the invoice.

10. Pricing

All bids must be in Canadian funds FOB North Bay taxes shown as extra.

11. Evaluation

The following factors will be taken into consideration in the evaluation of the Tender:

1. Specifications
2. Delivery Date
3. Proven Ability to provide support, maintenance and parts.
4. Green or Environment Friendly technology – Bidders are to list all options available with descriptive literature and pricing (use a separate sheet if necessary)

12. Funding

Any contract issued as a result of this tender is conditional upon availability of funds as dictated in the 2019 and subsequent North Bay Jack Garland Airport Corporation operating budgets and Capital Budgets approval by the North Bay Jack Garland Airport Corporation and the Corporation of the City of North Bay.

13. Delivery

State delivery date: _____

Failure to deliver the unit based on the accepted delivery by both parties shall result in a penalty of 2% percent per week for late delivery.

14. Equivalent Substitute

Products equivalent in form, fit, function and quality will be considered only if the Bidder: (1) designates the trade reference of the substitutes and the name of the manufacturer, (2) strikes out the trade reference specified and the words "or equal", and (3) provides complete specifications and descriptive literature for the substitutes. The Bidder warrants that proposed equivalent substitutes will be fully interchangeable with the trade reference specified.

15. Omission

The North Bay Jack Garland Airport Corporation reserves the right in its sole discretion to accept or reject all or part of any bid which is non-compliant with the requirements of this invitation.

16. Influence

No person, company, corporation or organization shall attempt in any way, either in private or in public, to influence the outcome of any North Bay Jack Garland Airport Corporation purchasing or disposal process.

The bid, quotation or proposal of any person, company, corporation or organization that does attempt to influence the outcome of any purchasing or disposal process will be disqualified, and the person, company, corporation or organization may be subjected to exclusion.

17. Contact

Until this Tender has been awarded, all contact regarding this Tender must be communicated directly through the Airport Manger only. Please do not contact other staff. If you have any questions or comments, please do not hesitate to email jack.santerre@yyb.ca.

18. Authorization

Name of Firm _____

Address _____

Name of Individual _____

Authorized Signature _____

Telephone and Fax _____

Date _____

GENERAL

- .1 The specifications contained herein describe in detail the above referred to requirements in specific detail even to the extent that a specific project, brand or make or manufacturer may be stated.
- .2 The purpose of this specification is to establish a minimum acceptable quality standard of equipment, product, function or design and bidders must respond accordingly and bid on products or equipment that meet or exceed the minimum specification.
- .3 The name of the manufacturer, trade name or catalogue number mentioned in this tender is for the sole purpose of designating a minimum standard of quality and type and for no other reason. Such references are not intended to be restrictive. Bids will be considered for any brand or construction, which meets or exceeds the quality of specifications listed for the respective items.
- .4 Some variations from this specification may be accepted provided these variations are, of a minor nature and will not adversely affect the performance of the equipment. Any variances to the specifications listed below must be stated in writing and shall be reviewed by the Airport to determine their acceptability. The acceptability and determination of compliance to the specifications herein shall be the sole decision of the North Bay Jack Garland Airport Corporation.
- .5 Where these specifications list only the major significant details of the unit(s) or equipment required, it is the bidders/suppliers responsibility to provide a unit or the equipment fully equipped for its intended use, with compatible components to provide dependable and efficient service and performance.
- .6 Where minimum or maximum requirements are specified within the various sections of the specifications, the item(s) offered must be within these limits and, unless what is offered meets the intent of the item(s) in the specifications, in the sole judgment of the North Bay Airport, the bid will be rejected as non-compliant.
- .7 In the event the bidder's response to the item(s) specified is not clear as to compliance with the specifications, or is unanswered or unspecified, the Airport of the bidder may request clarification, and such clarification is to be confirmed in writing. Changes that affect the intent of the specifications or the price(s) bid will not be acceptable.

.8 All equipment offered shall be new and a current standard production unit, excepting as modified by the Airport's specifications. .

.9 Equipment shall be of proven performance. Satisfactory evidence may be requested that the equipment has been satisfactorily operated for not less than one year or one or more seasons as appropriate in an environment in other airports or locations with a similar environment to the North Bay Jack Garland Airport and under comparable operating conditions. Prototype equipment or units, demonstrators or discontinued models will not be considered or accepted.

	Name of Airport or Municipality	Contact Name	Length of Time in Service For	Specify Model	Phone #
1					
2					
3					

.10 If requested, bidders or potential bidders must be prepared to supply and demonstrate the equipment proposed or offered on short notice.

.11 The Airport reserves the right to reject any Tender that offers equipment or products that are not available for demonstration within a reasonable period i.e. five working days, or that have not been demonstrated to the satisfaction of the Airport.

.12 The Airport will not be responsible for or assume any costs of equipment or product demonstrations or liabilities resulting there from.

.13 It is the intent of the North Bay Jack Garland Airport Corporation to award this tender to the lowest responsive bidder. In order to achieve this award, the following criteria may be utilized by the North Bay Airport to evaluate all tenders submitted.

If requested, bidders shall arrange for a demonstration of the product offered within five (5) days of request, at no cost to the Airport.

It is understood the unit offered for evaluation may not exactly match the requirements detailed herein, however, the unit shipped must meet all specification requirements. The unit offered for demonstration shall be delivered to a site designated by the Airport and be available for at least five (5) working days for evaluation. The Airport shall not be liable for any damage or loss to the equipment occurring during the evaluation period except for those items, which are under the care, custody or control of the North Bay Jack Garland Airport Corporation.

If requested, bidders shall submit copies of the operator, maintenance and parts manual(s) for the equipment offered for evaluation, within five (5) working days of request, at no cost to the Airport .

Mr. Jack Santerre
Airport Manager/AE
705-474-3026 ext. 5304
airportmanager@yvb.ca

Price Table

Total Detachable Snowblower Price before taxes and delivery	
Shipping and Delivery	
HST	
Total Price	

Bidders are asked to list below any manufacturers suggestions for optional accessories that may facilitate Airport Operations.

Suggested Options	Price before HST

	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
1. Scope			
<p>1.1 Scope Supply North Bay Jack Garland Airport a Loader mounted snowblower as noted in this tender. The requirement is for a detachable snowblower having a minimum 3000 ton per hour capacity with a minimum 150 ft. casting distance. All items noted in sections 1 through 7 of this specification are to be included in the basic configuration.</p>			
2.0 General Requirements			
<p>2.1 Standard Requirements The unit(s) supplied under this specification shall be new and 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 3 years prior to the tender.</p>			
<p>2.2 Overview The snowblower supplied under this specification must be capable of blowing a minimum of 3000 tons per hour of snow at 150 ft. of cast. The unit will be mounted on a 3 Yard Wheel Loader with a Craig quick coupler. The unit supplied is to be complete with all accessories customarily furnished and installed on this type of unit, whether specified herein or not, to enable the snowblower to function reliably and efficiently under all conditions of service.</p>			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
2.0 General Requirements: Continued			
2.3 Operating Conditions The unit(s) supplied must be capable of operating without failure or adjustment when loaded to its maximum conditions for a period of 12 hours.			
2.4 Mandatory Items Items noted in the specification as a shall be, must be, to minimum, and maximum are mandatory requirements. No deviations will be accepted for these items.			
2.5 Responses Any responses noted as approximately will be interpreted as "ACTUAL. Any non-completed areas will be interpreted as non-compliance.			
3.0 Regulations and Standards			
3.1 General All standards and specifications referenced herein refer to the latest editions unless otherwise indicated.			
3.2 Highway Traffic Act The vehicle(s) supplied shall comply in all respects with the Highway Traffic Act or regulations for the province in which it is to operate.			
3.3 Canada Motor Vehicle Safety Standards All applicable Canada Motor Vehicle Safety Standards shall be adhered to.			
3.4 Society of Automotive Engineers All notations in this specification indicating SAE refer to the most recent specification in effect or its equivalent replacement specification in effect, by the Society of Automotive Engineers.			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
4.0 Delivery			
<p>4.1 Pre-Delivery</p> <p>A pre-delivery inspection service (PDI) must be completed by a vehicle manufacturer's dealer at the operating site. The dealer providing the pre-delivery service must provide, upon request, all post delivery services including normal maintenance, warranty, etc. The unit shall be delivered with a maximum of 50 hours and be delivered ready to work.</p>			
<p>4.2 Inspection</p> <p>The prime contractor is responsible for ensuring that the unit(s) are thoroughly tested inspected, and that all deviations are corrected prior to delivery. The Purchaser has the right to inspect the unit(s) at any stage of production and have all deviations corrected upon request. The consignee shall complete a final inspection at time of delivery.</p>			
5.0 Warranty and Manuals			
<p>5.1 Manuals</p> <p>Provide two copies, in English of the maintenance and parts manuals for the chassis and all attachments. Provide one copy of the manufacturer's maintenance and parts manuals for the engine, transmission, and other (supplied) specialized components. Provide two detailed copies of the Operator's Manual. All manuals are to be delivered with the unit. A list of parts normally associated with the routine maintenance of the unit(s) must be provided at time of delivery. Manuals can be provided in an electronic format.</p>			
<p>5.2 Training</p> <p>Provide all necessary training to enable the safe and effective operation and maintenance of the unit(s). This will consist of both operator and mechanical Technician training.</p>			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
5.0 Warranty and Manuals: Continued			
<p>5.3 Warranty Period Provide warranty on all attached components and repair labour from the date the unit is initiated into service for a minimum period of 24 months. Provide warranty on all OEM equipment as per the manufacturers normal warranty periods. Provide details.</p>			
<p>5.4 Warranty Claims If dealer requested warranty repairs have not commenced within a 48 hour period, the purchaser reserves the right to complete repairs and bill the supplier for the repair parts and labour in accordance with their standard repair time and rate.</p>			
<p>5.5 Dealer Specify the dealer responsible for performing any required warranty repairs, and provide the name and phone number of the person to be contacted should warranty repairs be required.</p>			
6.0 Configuration			
<p>6.1 G.V.W.R. The gross weight rating shall not exceed 5,000 Kg (11,000 lb.)</p>			
<p>6.1.2 Must be fully welded construction frame to be constructed with heavy duty side plates holding the auger bearings Back frame must be of heavy duty construction to withstand forces applied by the machine</p>			
<p>6.2 Engine</p>			
<p>6.2.1 The engine shall be diesel, Tier IV type developing a minimum of 300 horsepower, and shall be equipped with latest diesel electronic control and engine management system.</p>			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
6.0 Configuration: Continued			
6.2 Engine: Continued			
6.2.2 Oil filter to be a full flow type, incorporating a replaceable element.			
6.2.3 Provide a full flow, heated fuel filter/water separator incorporating replaceable elements.			
6.2.4 The radiator is to be of severe duty type and must be copper core. Coolant protection to -40 Celsius to be provided.			
6.2.5 All radiator and heater hoses are to be silicon type.			
6.2.6 Engine coolant filter with replaceable element.			
6.2.7 The engine fan is to incorporate a thermostatically controlled fan clutch.			
6.2.8 All oils and other fluids shall be rated for -45 Celsius operating conditions.			
6.2.9 Provide a two stage inside/outside intake air cleaner complete with in cab restriction gauge.			
6.2.10 The following gauges will be include: -Tachometer -Hour meter -Voltmeter -Engine oil pressure -Engine coolant temperature -Fuel level gauge			
6.2.11 Engine shall not start while clutch is engaged.			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
6.0 Configuration: Continued			
6.3 Controls			
6.3.1 All controls will be operable from the engine compartment independently of the wireless remote control for the loader cab.			
6.3.2 Supply wireless LCD colour monitor control for the loader Cab. With minimum in-cab controls for the following: Critical engine information, engine start, blower impeller and auger functions, chute controls.			
6.3.3 Wireless remote control to include engine emergency stop.			
6.4 Fuel System			
6.4.1 Fuel tank shall have a minimum total capacity of 300 liters.			
6.4.2 A 3 inch diameter filler neck with chain connected cap and tank drain plugs shall be provided.			
6.4.3 The word DIESEL shall be placarded near the fuel filler caps.			
6.5 Exhaust			
6.5.1 The exhaust system is to be designed such that there can be no ingress of rain or snow into the exhaust system.			
6.6 Electrical			
6.6.1 The electrical system is to be a 12-volt system.			
6.6.2 The batteries shall generate a minimum of 3700 cold cranking amperage (CCA).			
6.6.3 The alternator shall have a minimum capacity of 145 amps with a built in regulator.			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
6.0 Configuration : Continued			
6.6 Electrical: Continued			
6.6.4 The unit must be complete with circuit breakers. The circuit breakers must be located in a common, easily accessible location.			
6.6.5 All switches and controls shall be clearly marked in English with permanently affixed etched metal plates or engraved (two Colour) plastic plates.			
6.6.6 The entire electrical system must be protected from the elements. All wiring connections must be either soldered or approved weatherproof connectors.			
6.6.7 All wiring is to be protected and installed inside of loom. The loom shall be securely fastened to the snow blower frame.			
6.6.8 All wiring must be colour coded or have permanent identification markings at each termination point.			
6.6.9 The starter cables are to be arctic type.			
6.6.10 For the engine provide a warning light and buzzer to indicate all of the following conditions; high coolant temperature, low coolant level, and low engine oil pressure.			
6.6.11 Provide working lights for the loading chute and blower body.			
6.6.12 Provide an engine block heater minimum size of 1000 watts, complete with cord and plug.			
6.6.13 All exterior 120 volt heater plugs shall be, weather proof receptacles, located at one point on the exterior of the blower. At the receptacle provide permanent identification noting what each plug serves.			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
6.0 Configuration: Continued			
6.7 Hydraulic System			
6.7.1 The hydraulic system is to include adequate oil capacity, filtration (with replaceable filters), pressure control devices and relief devices, and other equipment necessary to ensure the satisfactory and safe operation of the snow blower.			
6.7.2 Provide a minimum 10 micron full flow replaceable hydraulic oil filter.			
6.7.3 Hydraulic oil to be Dextron II or approved equivalent.			
6.7.4 All Hydraulic hoses to remain flexible to minus 40 degrees Celsius.			
6.7.5 The hydraulic pump must be direct drive from the engine.			
6.7.6 All hydraulic hoses must be secured to the blower. The hoses must be protected by damage from vibration and chafing.			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
6.0 Configuration: Continued			
6.8 Painting and Instruction Identification			
6.8.1 The entire snowblower is to be painted with Epoxy, Polyurethane, or Imron type paint or equivalent. Color is to be manufacturers' standard yellow.			
6.8.2 Provide permanently installed ISO or English instructions, diagrams and warning plates, where required to ensure efficient operation and servicing with maximum safety.			
7.0 Snowblower Drive and Head			
7.1 General Specifications			
7.1.1 The blower head shall be a two-stage unit complete with standard side chute and telescopic/directional truck loading chute.			
7.1.2 The first stage shall consist of a dual auger; Two interchangeable full flight augers approximately 20" in diameter. Fully welded, once piece Bolt on ice breakers Rubber deflector to be bolted on blower frame			
7.1.3 The second stage shall consist of a fan impeller to cast the snow to the left or right side or through a casting chute.			
7.1.4 It shall have a minimum capacity of 3000 tons per hour with a casting distance of 150 feet.			
7.1.5 The snowblower must have a minimum 100 inch width of cut.			
7.1.6 Fixed steering vanes			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
7.0 Snowblower Drive and Head: Continued			
7.2 Blower Gear Box			
7.2.1 The gearbox shall be heavy duty type and shall be certified by the manufacturer.			
7.2.2 The gear box must be mounted allowing easy removal.			
7.2.3 The blower drive shall be protected by a shear flange device on the gearbox input shaft.			
7.2.4 The gear box bearings must be heavy duty rated for the maximum torque and thrust that can be imposed.			
7.2.5 The gear box bearings must be continuously lubricated.			
7.3 Conveyor			
7.3.1 The conveyor shall have a minimum diameter of 20" inches.			
7.3.2 The hardness of the conveyor flight shall be 250 Brinell minimum.			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
7.0 Snowblower Drive and Head: Continued			
7.4 Conveyor Drive:			
Provide complete description of the conveyor drive system. Indicate the conveyor ratio to be supplied.			
7.4.2 The conveyor drive system must be complete with a shear bolt assembly to prevent damage to the conveyor in the event of a shock load. The shear assembly must be easily accessible.			
7.5 Impeller			
7.5.1 The impeller must be a minimum of 39 inches in diameter.			
7.5.2 The impeller blades must be replaceable and be attached with countersunk fasteners.			
7.5.3 The impeller casing shall be capable of casting snow through a total arc of 135 degrees from horizontal on the right side to 45 degrees on the left.			
7.5.4 The impeller casing shall be constructed of abrasion-resistant steel and the thickness of the casing shall be 3/8 inch. Minimum.			
7.6 Blower Frame Assembly			
7.6.1 The blower frame assembly is to be of heavy duty construction suitable for continuous application in hard packed snow conditions.			
7.6.2 The unit is to be complete with a full length, bolt-on, replaceable carbide scraper blade.			

SPECIFICATIONS	CONFORM		Specify the actual components supplied and their rated capacities for the unit tendered. Note in detail any deviations from the specified items.
	YES	NO	
7.0 Snowblower Drive and Head: Continued			
7.6 Blower Frame Assembly: Continued			
7.6.3 Provide bank cutting knives being a minimum of 15 inches in height, above the top of the blower head.			
7.6.4 Provide a CRAIG quick coupler to attach on current Airport Loaders. To be equipped with Craig QKMC hydraulic quick coupler system. Supplier to verify and confirm compatibility with existing attachments onsite and in use at airport. Airport model serial # T12070103			
7.6.5 The blower must be complete with a minimum of two adjustable height castor wheels or replaceable abrasion resistant skid shoes to support the blower and protect the scraper blade and blower housing from excessive wear. Specify which is used and quantity used.			
8.0 Miscellaneous			
8.1 One tool box complete with wrenches, hammer and punch for changing shear bolts and 10 shear bolts of each model shall be supplied.			
8.2 Provide maintenance harness to be used in conjunction with LCD monitor			
9.0 Options required			
9.1 Supply on spare set of carbide skid shoes			
9.2 Supply one spare carbide scraper blade.			
9.3 Supply one complete spare set of impeller blades complete with mounting hardware.			