



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 1T3
Nova Scotia
Bid Fax: (902) 496-5016

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

Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
B3J 3C9
Nova Scot

Title - Sujet Backhoe	
Solicitation No. - N° de l'invitation 5P128-150603/A	Date 2016-04-08
Client Reference No. - N° de référence du client 5P128-15-0603	
GETS Reference No. - N° de référence de SEAG PW-\$HAL-308-9823	
File No. - N° de dossier HAL-6-77001 (308)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-05-24	Time Zone Fuseau horaire Atlantic Daylight Saving Time ADT
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: LaBrash, Rachelle	Buyer Id - Id de l'acheteur hal308
Telephone No. - N° de téléphone (902) 496-5115 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: PARKS CANADA NATL HISTORIC SITE 259 PARK SERVICE RD LOUISBOURG NOVA SCOTIA B1C2L2 Canada	

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

Parks Canada has a requirement for the supply and delivery of a backhoe with front end loader, as detailed in Annex A. Delivery to 259 Park Service Road, Louisbourg, NS.

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 Trade Agreements

The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Agreement on Internal Trade (AIT).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

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

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

The 2003 (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

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

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (5) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the 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 Nova Scotia.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Technical Bid (2 hard copies)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

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

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

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

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

1. Bidders must offer a product that meets Annex A - Requirement in its entirety. The technical evaluation will assess whether all mandatory criteria are met.
2. The Bidder is required to submit specifications and descriptive literature for the backhoe with front end loader being offered to demonstrate compliance to the Mandatory Evaluation Criteria in Annex C.

Documentation may consist of a manufacturer's name, product part number and a catalogue description including any specification information.

It is incumbent upon the Bidder to submit a complete proposal showing that their items will meet or exceed the technical descriptions described in this solicitation.

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, applicable taxes excluded, DDP to 259 Park Service Road, Louisbourg, NS, Canadian customs duties and excise taxes included.

4.2 Basis of Selection

4.2.1

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

PART 5 – CERTIFICATIONS 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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, 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 *Ineligibility and Suspension Policy* (<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.

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

There is no security requirement applicable to this contract.

6.2 Requirement

Parks Canada has a requirement for the supply and delivery of a backhoe with front end loader, as detailed in Annex A. Delivery to 259 Park Service Road, Louisbourg, NS.

6.3 Standard Clauses and Conditions

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

6.3.1 General Conditions

2010A (2015-09-03), 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 are requested to be delivered DDP to 259 Park Service Road, Louisbourg, NS. on or before June 30, 2016.

The contractor's best delivery date is: _____. (To be completed by bidder)

6.4.2 Shipping

Goods must be consigned to the destination specified in the Contract and delivered:

Delivered Duty Paid (DDP) to 259 Park Service Road, Louisbourg, NS. Incoterms 2000 for shipments from a commercial contractor. The contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including payment of customs duties and applicable taxes to the destination.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Rachelle LaBrash

Title: Supply Officer

Public Works and Government Services Canada

Acquisitions Branch

Address: 1713 Bedford Row, Halifax, NS B3J 3X2

Telephone: (902) 496-5115

Facsimile: (902) 496-5016

E-mail address: rachelle.labrash@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Project Authority will be provided at contract award

The Project Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

The Project Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Project Authority, however the Project Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative (*Bidder to complete*)

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 firm unit prices, as specified in Annex B *for a cost of \$ _____ (insert the amount at contract award)*. Customs duties are included and Applicable Taxes are extra.

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

Canada will pay the Contractor upon completion and delivery of the Work in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

6.6.4 SACC Manual Clauses

SAAC Manual Clause C2000C (2007-11-30) Taxes – Foreign Based Contractor (if applicable).

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 Nova Scotia.

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 (2015-09-03), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) Annex C, Mandatory Evaluation Criteria
- (f) the Contractor's bid dated _____.

6.11 SACC Manual Clauses

B7500C (2006-06-16) Excess Goods

D0018C (2007-11-30) Delivery and Unloading

A9068C (2010-01-11) Government Site Regulations

6.12 Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor or reduce its liability under the Contract.

ANNEX A

Requirement

Parks Canada Agency has a requirement for the supply and delivery of a backhoe with front end loader, as referenced below. Please note that all items within Annex A are mandatory minimum requirements.

1. SCOPE

1.1 **Scope** – This purchase description covers the requirements for a diesel engine driven, pneumatic tired type industrial tractor with integral front-end loader and backhoe. The backhoe will be used for digging trenches, digging holes, plowing snow, and loading trucks with gravel.

1.2 **Configuration Capability Table** - Vehicles covered by this Purchase Description are represented as configurations. The following table shows mandatory required minimum performance and dimensions by configuration with a clause reference.

Minimum Mandatory Requirements			
CHARACTERISTIC	CLAUSE	UNITS	CONFIGURATION
LOADER LIFT	3.4.2 (a)	lbs	8202
LOADER BREAKOUT	3.4.2 (b)	lbs/ft	11,463
LOADER REACH	3.4.2 (c)	in	29.2
LOADER DUMP CLEARANCE	3.4.2 (d)	in	107
LOADER BUCKET WIDTH	3.4.2 (e)	in	86-96
BACKHOE DIPPER FORCE	3.4.3 (a)	lbs/ft	10,575
BACKHOE BUCKET FORCE	3.4.3 (b)	lbs/ft	15,236
BACKHOE DIGGING DEPTH	3.4.3 (c)	in	186
BACKHOE REACH	3.4.3 (d)	in	279
BACKHOE LOADING HEIGHT	3.4.3 (e)	in	205
BACKHOE LOADING REACH	3.4.3 (f)	in	97
LIFT DISTANCE	3.4.3 (g)	in	168
BACKHOE LIFT	3.4.3 (g)	lbs	3942
GP BUCKET CAPACITY	3.5.1 (a)	cu yds	1.27
BACKHOE BUCKET CAPACITY	3.5.1 (c)	cu yds	0.285
BACKHOE BUCKET WIDTH	3.5.1 (c)	in	24
"FORKLIFT CAPACITY"	3.5.1 (j)	lbs	8900
"FORKLIFT ATTACHMENT LOAD CENTER"	3.5.1 (j)	in	24
DIPPER EXTENSION	3.5.1 (k)	in	48
TRENCHING BUCKET WIDTH	3.5.1 (l)	in	12
TRENCHING BUCKET CAPACITY	3.5.1 (l)	cu yds	0.1

2. **APPLICABLE DOCUMENTS**

2.1 **Government Furnished Documents - NOT APPLICABLE**

2.2 **Other Publications** - The following documents form part of this Purchase Description. Web sites for the organization are given when available. Effective documents are those in effect on date of manufacture. Sources are as shown:
SAE Handbook

Society of Automotive Engineers Inc.
400 Commonwealth Dr.
Warrendale, PA, 15096
<http://www.sae.org>

3. **REQUIREMENTS**

3.1 **Standard Design** – The vehicle/equipment:

- (a) Be the latest model from a manufacturer who has demonstrated acceptability by manufacturing and selling this type and size class of vehicle for at least 1 year;
- (b) Have engineering certification available, upon demand, for this application from the original manufacturers of major equipment systems and assemblies;
- (c) Conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture; and
- (d) Have system and component capacities not greater than their published ratings (i.e. product or component brochures) or accompanied by proof of compliance.

3.2 **Operating Conditions**

3.2.1 **Weather** - The vehicle/equipment to operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 37° C (-40 to 99° F).

3.2.2 **Terrain** - The vehicle/equipment to be capable of being operated on highways, secondary roads, gravel roads, and off-road (e.g. construction sites, open fields and dirt tracks). Terrain conditions to include year round operations on snow, mud, sand and ice.

3.3 **Safety Standards**

3.3.1 **Noise Level** - The vehicle/equipment noise levels to meet the requirements of legislation relative to Occupational Safety and Health both at the operator's station and exterior to the vehicle.

3.3.2 **Hazardous Materials** – The contractor to minimize the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals used in the fabrication of the product supplied. Items considered as hazardous materials to be those given in the Hazardous Products Acts. The contractor to provide Material Safety Data Sheets to the Technical Authority of all the above substances used in the fabrication of the product supplied.

3.4 **Performance** – Performance to be measured in accordance with SAE standards. Performance to be validated with Proof of Compliance.

3.4.1 Loader Performance – The loader to:

- (a) Have a loader lift capacity at full height of at least that given as “**LOADER LIFT**” in the Configuration Capability Table;
Unit: 8202 lbs.
- (b) Have a loader breakout force of at least that given as “**LOADER BREAKOUT**” in the Configuration Capability Table;
Unit: 11,463 lbs/ft.
- (c) Have a loader reach at specified lift height of at least that given as “**LOADER REACH**” in the Configuration Capability Table;
Unit: 29.2in.
- (d) Have a bucket dumped clearance of at least that given as “**LOADER DUMP CLEARANCE**” in the Configuration Capability Table; and
Unit: 107”.
- (e) A bucket width of no less than the overall vehicle width. Minimum 86”, maximum 96”.

3.4.3 Backhoe Performance – The backhoe, either with a solid boom or an extensible boom in its retracted position:

- (a) Have a dipper cylinder digging force, of at least that given as “**BACKHOE DIPPER FORCE**” in the Configuration Capability Table;
Unit: 10,575lbs/ft.
- (b) Have a bucket cylinder digging force, of at least that given as “**BACKHOE BUCKET FORCE**” in the Configuration Capability Table;
Unit: 15,236lbs/ft.
- (c) Have a minimum digging depth of at least that given as “**BACKHOE DIGGING DEPTH**” in the Configuration Capability Table;
Unit: 186in.
- (d) Have a backhoe reach at ground from centre of swing axis of at least that given as “**BACKHOE REACH**” in the Configuration Capability Table;
Unit: 279in.
- (e) Have a backhoe loading height of at least that given as “**BACKHOE LOADING HEIGHT**” in the Configuration Capability Table;
Unit: 205in.
- (f) Have a backhoe loading reach of at least that given as “**BACKHOE LOADING REACH**” in the Configuration Capability Table; and
Unit: 97in.
- (g) Have a Backhoe lift Capacity at a distance of no less than that given as “**LIFT DISTANCE**” in the Configuration Capability Table of at least that given as “**BACKHOE Lift**” in the Configuration Capability Table.
Unit: 168in.
Unit: 3942lbs.

3.4.4 Vehicle Delivery Condition – The vehicle to be delivered to destination in a fully operational condition (serviced and adjusted) and both the interior and exterior to be cleaned. If the vehicle requires

assembly at destination, the Contractor agrees to be responsible for all manpower and equipment to perform assembly.

The consignee will provide the area required for assembly. For shipment verification, all items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose with the equipment, to be listed on the shipping certificate or to an attached packing note.

3.5 Equipment

3.5.1 Application Equipment - Equipment/features below to be provided:

- (a) **Front-End Loader** – A front end loader. Proof of compliance to be provided. The front-end loader to have a general purpose material bucket with replaceable cutting edges or teeth, having a capacity, rated in accordance with SAE Standard J742, of at least given as “**GP BUCKET CAPACITY**” in the Configuration Capability Table;
Unit: 1.27cu yds.
- (b) **Hydraulic Coupling System (Loader)** - A hydraulic coupler, activated from the operator station;
- (c) **Backhoe** – An integral hydraulic backhoe. Proof of compliance to be provided. The backhoe to have a digging bucket with teeth, with a capacity of at least that given as “**BACKHOE BUCKET CAPACITY**” in the Configuration Capability Table and a width of at least that given as “**BACKHOE BUCKET WIDTH**” in the Configuration Capability Table;
Unit: 0.285 cu.yds.
Unit: 24in.
- (d) **Stabilizer** – Stabilizing arms for backhoe operations with flip pads to have a rubber base to avoid damage to paved surfaces;
- (e) **Vehicle Tie-Down Devices** - Vehicle tie-down devices. Permanent and integrally vehicle tie-down devices to:
 - i Be designed to withstand stresses imposed by thrust loads (all directions) with a factor of safety of 1.5 with respect to the ultimate strength of the material;
 - ii Be designed for forward thrust of 4 G, a rearward thrust of 4 G, an upward thrust of 2 G and a side thrust of 1.5 G (1 G = shipping weight of the equipment), loads are not imposed simultaneously;
 - iii Be designed/located to prevent shifting or movement during transport on low-bed trailers, rail car and aboard ships;
 - iv Be located to permit easy attachment of cables or turnbuckles;
 - v Be identified and marked with maximum strain permitted. Markings to be painted using a contrasting colour; and
 - vi Include complete tie down instructions showing locations. This information to be shown in the manual and it is preferred that it is marked in the vehicle cab (in the form of decals).
- (f) **Vandal Protection** – Vandal protection including provision (Padlock hasps preferred) for locking engine covers, filler caps and the cab.
- (g) **Recovery Hooks** - Towing hooks, loops, or a component with equivalent capability at the front and rear of the vehicle.

-
- (h) **Filler Caps** - Clearly/permanently identified filler caps by contents, using international symbols, a standard (i.e. SAE 10W30) or written in French and English.
- (i) **Forklift Attachment** - A loader arm mounting forklift attachment with a capacity, a 24 inch load centre, of at least that given as "**FORKLIFT CAPACITY**" in the Configuration Capability Table; Unit: 8900lbs.
- (j) **Wrist Action (Backhoe)** - The hydraulic wrist action for the backhoe complete with a mechanical quick hitch bucket connector system;
- (k) **Dipper Stick Extension** - A hydraulic dipper stick extension. The extension to extend the digging depth by at least that given as "**DIPPER EXTENSION**" in the Configuration Capability Table; Unit: 48in.
- (l) **12-inch Trenching Bucket** - A trenching bucket with a nominal width of 12 in and capacity of at least 0.10 cu yd;
- (m) **Backhoe Auxiliary Hydraulic Power Package** - The backhoe auxiliary hydraulic power package. The power package to:
- i Have hydraulic connections at the tip of the backhoe boom;
 - ii Have full pressure oil flow available and a flow rate of at least 110 litres per minute (30 USGPM);
 - iii Be suitable to provide sufficient oil to operate impactor bucket, jack-hammer, compactor, clamshell bucket or drill;
 - iv Have drip-less self-sealing quick connect type fitting; and
 - v Include a clearly marked actuator valve or control accessible in the operator's station.
- (n) **Rear Wheel Clearance at Fenders** - There must be sufficient clearance to allow the attachment of 3/8" linked chains at both rear wheels during snow removal operations. There will be no modifications required by the user to perform this function.
- (o) **Snow Blade (standard duty)** - A snow blade with a nominal width 84", adjustable skid shoes, spring loaded trip protection, blade angle 30 degrees left and right, replaceable edge, quick connect/disconnect hydraulics, blade height between 20" to 24", reinforced moldboard with locking bolts for light dozer applications. Equipped with all required cab controls.

3.6 **Operator Station** - The operator station to include:

- (a) **ROPS Cab** - A weatherproof pressurized, insulated cab incorporating Roll Over Protective Structure, to conform to SAE J1040. The cab to:
- i Have a ventilation and defrosting system capable of keeping windows free from frost and moisture and include a heater conforming to SAE J1503 and SAE J169;
 - ii Have safety glass in windows. It is preferred the glass be tinted to reduce solar heating load;
 - iii Have windshield wipers conforming to SAE J198 having at least 2 speeds preferably with an intermittent setting, including a windshield washer for each wiper; and

iv Have two lockable doors, or one door and at least visibly labelled one window as an emergency operator escape route.

(b) **Seat** - A padded operator's seat and backrest (preferably water resistant), in conformance with SAE J899. The seat to be:

i Be equipped with seat belts, conforming to with SAE J386, Type 1; and

ii Be horizontally and vertically adjustable without having to move from a seated position.

(c) **Mirror(s)** - Rear view mirror(s) positioned providing a full view of both sides for safe reverse operations;

(d) **Radio** – A radio which turns off automatically when the vehicle is not in service; and

(e) **Air Conditioner** - An air conditioning system conforming to SAE J1503 and SAE J169. Air conditioning units must not use ozone depleting refrigerants such as CFCs (Chlorofluorocarbons) but instead use HFCs (Hydro Fluorocarbons).

3.7 **Chassis** - The vehicle chassis to be the manufacturers standard for a vehicle of this type and size. The backhoe to have:

(a) **Ride Control System** – An automatic ride control system for the cushioning of the carried load and vehicle while operating at higher speed to be installed.

3.8 **Engine** - The engine to be diesel powered. Minimum 110 hp.

3.8.1 **Engine Components** - Engine components to be manufacturers standard.

3.8.2 **Fuel Tank(s)** - The fuel tank(s) to be the manufacturer's standard. The fuel tank(s) to be at least half full when delivered.

3.8.3 **Engine Cold Weather Aids** - The engine to be equipped with cold weather aids to enable the engine (operating with winter grade fuels/oils) to be started at temperatures down to -40° C.

The following to be included:

(a) 110-volt engine heater(s) with a capacity as recommended by the engine manufacturer or conforming to SAE Information Sheet J1310; and

(b) A low temperature starting aid. The engine to have an ether injection system, glow plug or intake air preheat system.

3.9 **Transmission** - The vehicle to be equipped with one of the following types of transmission:

(a) A power shift or power shuttle, or;

(b) An infinitely variable forward and reverse hydrostatic, servo-controlled drive incorporating automatic controls to compensate for speed and load.

3.9.1 **Front Wheel Assist** - Front wheel assist system (driver-selected), providing a 4 X 4 capability by delivering power to front wheels to be provided.

3.10 **Brake System** - The vehicle to be equipped with manufacturer's standard braking system.

3.11 **Steering** - The vehicle to be equipped with manufacturer's standard steering system with at least one steer axle.

3.12 **Wheels, Rims and Tires** - The wheels, tires and rims to have tire manufacturer certification that tires and rims provided are suitable and adequately sized for this application.

Tires to have:

- (a) F-3 tread on non-driven wheels. If tubes are supplied, the tires to have tube flaps; and
- (b) R-4 tread on driven wheels. If tubes are supplied, the tires to have tube flaps.

3.13 **Controls** - The vehicle to have the manufacturer's standard controls. The vehicle to be provided with diagnostic software suited to the vehicle provided.

3.14 **Instruments** - Instruments to be manufacturer's standard including a numeric read-out hour-meter, which displays accumulated running time up to 9,999 hours.

3.15 **Electrical System** - The vehicle electrical system to be the manufacturer's standard. The electrical system to include a backup alarm system.

3.16 **Lighting** - The vehicle to be the manufacturer's standard conforming to relevant Canadian Motor Vehicle Safety Standards (CMVSS). The vehicle to be legal to operate on roads in the province of destination. (Nova Scotia) The vehicle to be equipped with:

- (a) **Amber Coloured Beacon Light** - An amber coloured omni-directional beacon either on continuously or with a dash mounted control switch. The beacon to provide maximum vehicle visibility and preferably be mounted on the cab roof; and

3.17 **Hydraulic System** - The hydraulic system to be the manufacturer's standard complete with all components required for the operation of the hydraulic equipment specified. The hydraulic system to include:

- (a) Ports (one inlet and one outlet) at the front of the vehicle, with controls at the operators station; and
- (b) Holding valves in all cylinders in order to comply with occupational safety regulations.

3.18 **Lubricants and Hydraulic Fluids** - The vehicle to be serviced with the manufacturer's non-proprietary standard lubricants and hydraulic fluids.

3.19 **Paint** - The vehicle to be painted using manufacturer's standard commercial colours. The prime coating to be a high-durability, corrosion-resistant type. The prime coating to be epoxy type or baked powder coat.

3.20 **Identification** - The following information to be permanently marked in a conspicuous and protected location:

- (a) Manufacturer's name, model and serial number; and
- (b) Manufacturer's Vehicle Identification Number (VIN), where applicable.

4. **Integrated Logistic Support** - The Contractor is required to ensure that spare parts required to properly maintain and repair vehicles are available for purchase for a period of 10 years.

4.1 Documentation and Support Items – The Contractor to provide the following documentation and support items.

4.1.1 Items with Each Vehicle – The Contractor to provide the following items with each vehicle:

- (a) **Vehicle Manuals** – Manuals required for safe operation, maintenance and repair of the vehicle. It is preferred that complete sets of manuals are provided on CD/DVD-ROM (without password(s), special installation requirements or requiring an Internet connection). An Operator's Manuals in paper format to always be provided with each vehicle. The Vehicle Manuals to include:
 - i **Operator's Manuals** – Operator's manuals in a bilingual format or as 2 manuals in a single binder (one English, and one French);
 - ii **Parts Manuals** – The Parts Manuals in English (French translation is desirable);
 - iii **Maintenance (Shop Repair) Manuals** - The Maintenance (Shop Repair) Manual in English (French translation is desirable); and
 - iv **Sample Manuals** – A set of Sample Manuals, including all of the above manuals. The sample manuals to be delivered to the Technical Authority 15 working days before delivery of vehicles. Sample manuals will not be returned. The Technical Authority will provide manual approval or comments within 30 days.
- (b) **Warranty Letter** – A paper copy of the completed bilingual Warranty Letter with each vehicle shipped in the approved format. The Contractor to send a copy of the Warranty Letter, in electronic format, to the Technical Authority for each vehicle, at shipment. Designated warranty providers to honour the warranty letter; and
- (c) **Initial Parts Kit** – One Initial Parts Kit accompanying each vehicle/equipment. Each Initial Parts Kit to include a complete set of filters and filter elements from the Original Equipment Manufacturer.

4.1.2 Documents Provided to Technical Authority – The Contractor to provide the following documents to the Technical Authority:

- (a) **Material Safety Data Sheets** - The contractor to provide a listing of all hazardous materials used in the fabrication of the product supplied to the Technical Authority, if there are no hazardous materials used, this to be noted on the listing. The contractor to provide Material Safety Data Sheets for all the hazardous materials used in the fabrication of the product supplied.

4.2 Training – The Contractor to perform the following training:

- (a) **Familiarization** - At least 1-day (8 hours) familiarization instruction at each destination, for a maximum of 8 personnel, no later than one month after delivery of each vehicle. The instruction to include the detailed operation and normal servicing of the vehicle/equipment and to be split into two – four (4) hour segments for operator familiarization and maintainer familiarization. Familiarization instructions to be available in both official languages for destinations in the province of Quebec or as requested by the Technical Authority. The final dates to be arranged with the Technical Authority after contract award. After completion of the familiarization session, the Contractor to have a “**PROOF OF FAMILIARIZATION INSTRUCTION**” certificate signed by the consignee. The Technical Authority will supply this document in an electronic format, when requested.

4.3 Delivery - Delivery of unit to be between working hours (07:00 and 15:00) with 24 hours advance notice. Delivery shall be FOB 259 Parks Service Road, Louisbourg, Cape Breton, Nova Scotia.

ANNEX B**Basis of Payment**

The bidder **must bid on every line item** in order to be considered for contract award.

The bidder must submit firm prices in Canadian dollars, customs duties included and applicable taxes extra. Delivery is Delivered Duty Paid (DDP) Incoterms 2000. The contractor is responsible for all delivery charges, administration, costs and risks of transport and customs clearance, including payment of customs duties and taxes to the destination.

(To be completed by Bidder)

Item	Work Description	Unit of Issue (A)	Estimated Quantity (B)	Price per Unit (C)	Extended Price (D) (BxC=D)
1	Backhoe with front end loader (as fully detailed in Annex A)	EA	1	\$_____	\$_____
2	Delivery DDP Incoterms 2000 259 Park Service Road, Louisbourg, NS B1C 2L2	LS	1	\$_____	\$_____
Evaluated Price = Sum Total of (D) 1 to (D) 2: \$_____					HST extra

ANNEX C

Mandatory Evaluation Criteria

Bidders are requested to provide cross-reference below to identify the page(s) where each mandatory minimum specification can be demonstrated in their technical documentation provided with the bid. Please flag the applicable criteria in the brochure, referencing the numbers below. For the few criteria which are not identified in specification sheets/literature/brochures, your firm's indication of "Compliant" will be considered as certification that the requirement is met. Canada reserves the right to verify any and all information relating to mandatory requirements. Mandatory Requirements found **not** to be met will result in a non-compliant bid, and if found after contract award, may result in the **termination** of the contract.

(To be completed by Bidder)

<u>Minimum Mandatory Requirements</u>				<u>Cross reference page #</u>
CHARACTERISTIC	CLAUSe	UNITS	CONFIGURATION	////////////////////
LOADER LIFT	3.4.2 (a)	lbs	8202	
LOADER BREAKOUT	3.4.2 (b)	lbs/ft	11,463	
LOADER REACH	3.4.2 (c)	in	29.2	
LOADER DUMP CLEARANCE	3.4.2 (d)	in	107	
LOADER BUCKET WIDTH	3.4.2 (e)	in	86-96	
BACKHOE DIPPER FORCE	3.4.3 (a)	lbs/ft	10,575	
BACKHOE BUCKET FORCE	3.4.3 (b)	lbs/ft	15,236	
BACKHOE DIGGING DEPTH	3.4.3 (c)	in	186	
BACKHOE REACH	3.4.3 (d)	in	279	
BACKHOE LOADING HEIGHT	3.4.3 (e)	in	205	
BACKHOE LOADING REACH	3.4.3 (f)	in	97	
LIFT DISTANCE	3.4.3 (g)	in	168	
BACKHOE LIFT	3.4.3 (g)	lbs	3942	
GP BUCKET CAPACITY	3.5.1 (a)	cu yds	1.27	
BACKHOE BUCKET CAPACITY	3.5.1 (c)	cu yds	0.285	
BACKHOE BUCKET WIDTH	3.5.1 (c)	in	24	
"FORKLIFT CAPACITY"	3.5.1 (j)	lbs	8900	
"FORKLIFT ATTACHMENT LOAD CENTER"	3.5.1 (j)	in	24	
DIPPER EXTENSION	3.5.1 (k)	in	48	
TRENCHING BUCKET WIDTH	3.5.1 (l)	in	12	
TRENCHING BUCKET CAPACITY	3.5.1 (l)	cu yds	0.1	

Make/Model offered: _____

The undersigned certifies that all above noted mandatory criteria, as well as all mandatory criteria outlined in Annex A – Requirement, have been met.

Name: _____

Signature: _____

Date: _____