



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

SOLICITATION AMENDMENT
MODIFICATION DE L'INVITATION

The referenced document is hereby revised; unless otherwise indicated, all other terms and conditions of the Solicitation remain the same.

Ce document est par la présente révisé; sauf indication contraire, les modalités de l'invitation demeurent les mêmes.

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	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client 5P128-15-0603	Date 2016-04-25
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:	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	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

Amendment 002 is raised for the following:

The solicitation document is revised as follows:

#1 – at page 9 of 18, Annex A – Requirement

Delete Annex A - Requirement in its entirety and replace with the following:

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 required performance and dimensions by configuration with a clause reference.

Mandatory Minimum Requirements

Minimum Mandatory Requirements			
CHARACTERISTIC	CLAUSE	UNITS	CONFIGURATION
LOADER LIFT	3.4.2 (a)	lbs	7,200
LOADER BREAKOUT	3.4.2 (b)	lbs/ft	10,000
LOADER REACH	3.4.2 (c)	in	25
LOADER DUMP CLEARANCE	3.4.2 (d)	in	102
LOADER BUCKET WIDTH	3.4.2 (e)	in	86-96
BACKHOE DIPPER FORCE	3.4.3 (a)	lbs/ft	6,700
BACKHOE BUCKET FORCE	3.4.3 (b)	lbs/ft	12,000
BACKHOE DIGGING DEPTH	3.4.3 (c)	in	186
BACKHOE REACH	3.4.3 (d)	in	228
BACKHOE LOADING HEIGHT	3.4.3 (e)	in	131
BACKHOE LOADING REACH	3.4.3 (f)	in	97
LIFT DISTANCE	3.4.3 (g)	in	144
BACKHOE LIFT	3.4.3 (g)	lbs	2050
GP BUCKET CAPACITY	3.5.1 (a)	cu yds	1.25
BACKHOE BUCKET CAPACITY	3.5.1 (c)	cu yds	0.23

BACKHOE BUCKET WIDTH	3.5.1 (c)	in	24
"FORKLIFT CAPACITY"	3.5.1 (i)	lbs	8900
"FORKLIFT ATTACHMENT LOAD CENTER"	3.5.1 (i)	in	20
DIPPER EXTENSION	3.5.1 (k)	in	42
TRENCHING BUCKET WIDTH	3.5.1 (l)	in	12
TRENCHING BUCKET CAPACITY	3.5.1 (l)	cu yds	0.1
DITCHING BUCKET WIDTH	3.5.1 (m)	in	32
DITCHING BUCKET CAPACITY	3.5.1 (m)	cu yds	0.12

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 Vehicle Performance- The vehicle to have a forward speed of at least 20 km/h (12.5 mph) and a reverse speed of at least 8 km/h (5 mph).

3.4.2 Loader Performance - The loader to:

- (a) Have a loader lift capacity at full height of at least that given as "LOADER LIFT" 7,200lbs.
- (b) Have a loader breakout force of at least that given as "LOADER BREAKOUT" 10,000lbs.
- (c) Have a loader reach at specified lift height of at least that given as "LOADER REACH" 25in.
- (d) Have a bucket dumped clearance of at least that given as "LOADER DUMP CLEARANCE" 102in.
- (e) A bucket width of no less than the overall vehicle width (86-96in).

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

- (a) Have a dipper cylinder digging force, of at least that given as "BACKHOE DIPPER FORCE" 6,700lbs;
- (b) Have a bucket cylinder digging force, of at least that given as "BACKHOE BUCKET FORCE" 12,000lbs;
- (c) Have a minimum digging depth of at least that given as "BACKHOE DIGGING DEPTH" 186in;
- (d) Have a backhoe reach at ground from centre of swing axis of at least that given as "BACKHOE REACH" 228in;
- (e) Have a backhoe loading height of at least that given as "BACKHOE LOADING HEIGHT" 131in;
- (f) Have a backhoe loading reach of at least that given as "BACKHOE LOADING REACH" 97in in the Configuration Capability Table; and
- (g) Have a Backhoe lift Capacity at a distance of no less than that given as "LIFT DISTANCE" 144 in and at least that given as "BACKHOE LIFT" 2050lbs;

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 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" 1.25 cu 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" 0.23 cu yds and a width of at least that given as "BACKHOE BUCKET WIDTH" 24in.

(d) Stabilizer - Stabilizing arms for backhoe operations. Stabilizers flip pads to have a rubber base to avoid damage to paved surfaces;

(e) 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 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, at 20in load centre, of at least that given as "**FORKLIFT CAPACITY**" in the Configuration Capability Table;

(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;

(l) 12-inch Trenching Bucket - A trenching bucket with a nominal width of (12 in) and capacity of at least 0.08 cubic metres (0.10 cu yd);

(m) 36-inch ditching bucket - A ditching bucket with a nominal width of 32in and capacity of at least 0.10 cubic metres (0.12 cu yd);

(n) 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, jackhammer, 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.

(o) 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.

(p) Snow Blade (standard duty) - A snow Blade with a nominal width of 120in, adjustable skid shoes, spring loaded trip protection, blade angle minimum 30 degrees left and right, 3in cylinders, quick connect/disconnect hydraulics, blade height between 20-28in, 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, which 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:

- 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 and minimum 90hp (net).

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 JI310; 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:

(a) Have F-3 tread on non-driven wheels. Radial tires required.

(b) Have R-4 tread on driven wheels. Radial tires required.

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 back-up 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 manual s 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 to be FOB 259 Parks Service Road, Louisbourg, Cape Breton, Nova Scotia.

#2 – at page 8 of 18, Annex C – Mandatory Evaluation Criteria

Delete Annex C – Mandatory Evaluation Criteria in its entirety and replace with the following:

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)

Minimum Mandatory Requirements						
CHARACTERISTIC	CLAUSE	UNITS	CONFIGURATION	Cross Reference Page #	MET	NOT MET
LOADER LIFT	3.4.2 (a)	lbs	7,200			
LOADER BREAKOUT	3.4.2 (b)	lbs/ft	10,000			
LOADER REACH	3.4.2 (c)	in	25			
LOADER DUMP CLEARANCE	3.4.2 (d)	in	102			
LOADER BUCKET WIDTH	3.4.2 (e)	in	86-96			
BACKHOE DIPPER FORCE	3.4.3 (a)	lbs/ft	6,700			
BACKHOE BUCKET FORCE	3.4.3 (b)	lbs/ft	12,000			
BACKHOE DIGGING DEPTH	3.4.3 (c)	in	186			
BACKHOE REACH	3.4.3 (d)	in	228			
BACKHOE LOADING HEIGHT	3.4.3 (e)	in	131			
BACKHOE LOADING REACH	3.4.3 (f)	in	97			
LIFT DISTANCE	3.4.3 (g)	in	144			
BACKHOE LIFT	3.4.3 (g)	lbs	2050			

Solicitation No. - N° de l'invitation
5P128-150603/A
Client Ref. No. - N° de réf. du client
5P128-15-0603

Amd. No. - N° de la modif.
002
File No. - N° du dossier
HAL-6-77001

Buyer ID - Id de l'acheteur
HAL308
CCC No./N° CCC - FMS No./N° VME

GP BUCKET CAPACITY	3.5.1 (a)	cu yds	1.25			
BACKHOE BUCKET CAPACITY	3.5.1 (c)	cu yds	0.23			
BACKHOE BUCKET WIDTH	3.5.1 (c)	in	24			
"FORKLIFT CAPACITY"	3.5.1 (i)	lbs	8900			
"FORKLIFT ATTACHMENT LOAD CENTER"	3.5.1 (i)	in	20			
DIPPER EXTENSION	3.5.1 (k)	in	42			
TRENCHING BUCKET WIDTH	3.5.1 (l)	in	12			
TRENCHING BUCKET CAPACITY	3.5.1 (l)	cu yds	0.1			
DITCHING BUCKET WIDTH	3.5.1 (m)	in	32			
DITCHING BUCKET CAPACITY	3.5.1 (m)	cu yds	0.12			

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: _____

All other terms and conditions remain unchanged.