



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government
Services Canada/Réception des soumissions Travaux
publics et Services gouvernementaux Canada
Pacific Region
401 - 1230 Government Street
Victoria, B.C.
V8W 3X4
Bid Fax: (250) 363-3344

**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
Public Works and Government Services Canada - Pacific
Region
401 - 1230 Government Street
Victoria, B. C.
V8W 3X4

Title - Sujet Hydraulic Excavator	
Solicitation No. - N° de l'invitation T7056-180058/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client T7056-180058	Date 2018-11-15
GETS Reference No. - N° de référence de SEAG PW-\$VIC-240-7606	
File No. - N° de dossier VIC-8-41100 (240)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-11-29	Time Zone Fuseau horaire Pacific Standard Time PST
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: Hogg(VIC), Mike	Buyer Id - Id de l'acheteur vic240
Telephone No. - N° de téléphone (250) 217-5640 ()	FAX No. - N° de FAX (250) 363-3344
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

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 1

BIDDER'S INSTRUCTIONS

- Bidders must identify compliance to all the mandatory specifications identified in the Form below.
- Bidders must provide information and technical documentation as identified in the right column of the form below.

Mandatory Specification		Comply		Information required in your Technical Proposal
		Yes	No	
1. SCOPE				
1.1	<u>Scope</u> - Supply and deliver to Transport Canada Port Hardy Airport one diesel engine driven steel track mounted hydraulic excavator with standard hoe bucket and additional specified attachments. All items noted in this specification must be included in the basic configuration.			Proposed Excavator MAKE _____ MODEL _____
2. GENERAL REQUIREMENTS				

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 2

2.1 Overview - The excavator supplied under this specification must be a steel tracked unit supplied with a standard excavating bucket attached.	—	—	—
2.2 Excavator must have joystick controls for hoe operation and track movement.	—	—	—
2.3 Excavator must have Tier 4 Final diesel engine. The excavator supplied must have all accessories customarily furnished and installed on this type of unit, whether specified herein or not, to enable the unit to function to manufacturer design standards.	—	—	—
3.0 REGULATIONS AND STANDARDS			
3.1 General - All standards and specifications referenced herein refer to the latest editions.	—	—	—
3.2 Society of Automotive Engineers - All notations in this specification indicating SAE	—	—	—

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 3

refer to the most recent specification in effect by the Society of Automotive Engineers.			
4.0 DELIVERY INSTRUCTIONS:			
4.1 Pre-delivery - Must be delivered complete with all liquids, lubricated and serviced with all associated products suitable for the moderate climatic conditions in the area, where the excavator will operate.	—	—	Bidder must provide the "local" PDI dealer's name and address: Name: _____ Address: _____
4.2 Distance - The Excavator must be delivered FOB to the final destination with a maximum of 20 hours on the unit.	—	—	ESTIMATED ENGINE HOURS _____
5.0 WARRANTY AND MANUALS			
5.1 <u>Warranty period</u> - The excavator must include an onsite warranty on all components and repair labour inclusive of all travel and living expenses for a minimum of 12 months from the date the unit is initiated into service.	—	—	WARRANTY OFFERED _____

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 4

5.2 Warranty claims - During the warranty period, the Contractor should commence repairs within a 48 hour period upon request from Transport Canada.			
5.4 <u>Repair Depot</u> - responsible for performing any required warranty repairs.			Bidder must provide the name and phone number of the person to be contacted should warranty repairs be required. REPAIR DEPOT _____ ADDRESS: _____ CONTACT NAME: _____

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe Date: November 15, 2018
Specification Port Hardy Airport Page: 5

			Phone Number: _____	
5.5 Vehicle Delivery Condition - The vehicle must be delivered to destination in a fully operational condition, serviced and adjusted. If the vehicle requires assembly at destination, the Contractor must 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, must be listed on the shipping certificate or to and attached packing note.				
6.0 EXCAVATOR SPECIFICATIONS				

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 6

DESCRIPTION	YES	NO	DETAIL
6.1 Standard Design			
a. The excavator must be the latest model from a manufacturer			
b. The excavator must have engineering certification available, upon demand, for this application from the original manufacturers of major equipment systems and assemblies			
c. The excavator must 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			
d. The excavator must have system and component capacities not greater than their published ratings (i.e. product or component brochures) or accompanied by proof of compliance.			
6.2 Operating Conditions			
6.2.1 Weather - The vehicle/equipment must operate under the extremes of weather conditions found in Canada in temperatures ranging from -40 to 37 °C (-40 to 99°F)			
6.2.2 Terrain - The vehicle/equipment must be capable of being operated off-road (e.g. construction sites, open fields and dirt tracks). Terrain conditions must include year round operations on snow, mud, and sand.			
6.3 Safety Standards			
6.3.1 Noise Level - The vehicle/equipment noise level must meet the requirements of legislation relative to Occupational Safety and Health			

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 7

both at the operator's station and exterior to the vehicle.				
6.4 Performance - Proof of compliance must be provided for all performance requirements.				
6.4.1 Excavator Performance				
a. The excavator must have end lifting capacities at ground level through 360 degrees, in accordance with SAE Standard J1097 of: At 4.5m lift = minimum 10,500 kg At 6m lift= minimum 7,500 kg At 7.5m lift= minimum 5,400 kg				
b. The excavator must have digging and loading performance, in accordance with SAE J/ISO 7135 as follows:				
c. Height reach from ground level of at least 10,500 mm				
d. A digging depth of at least 6,100 mm				
e. A dump height of at least 7,600 mm				
f. The excavator must have digging forces, in accordance with SAE Recommended Practice J1179 using the standard excavating bucket:				
g. Dipper stick force of at least 100 kN				
h. Bucket tangential force of at least 125 kN				
6.5 Equipment Weight and Dimensions				

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 8

a. the excavator must have a width at the widest point of no more than 3,400 mm				
b. The excavator must have a rear tail swing radius maximum of 3,650 mm				
<u>6.6 Equipment</u>				
a. Boom - A boom, either a single-piece boom or a two-piece boom must be supplied;				
b. Joystick Controls- excavator must have joystick controls				
c. Hydraulic Quick Coupler - A hydraulically actuated quick coupler system. The operator must be able to change the boom tip equipment (except for hydraulic connections) from the operator's station;				
d. High Flow Auxiliary Hydraulics - Must have High Flow Auxiliary Hydraulic connections at the tip of the excavator arm. Connections must be quick-connect drip-less connectors. The hydraulic system must be equipped with continuous service priority flow valve(s) to provide power to attachments provided with vehicle such as a cutting head;				
e. Wrist Action - A hydraulic wrist action must be supplied, which rotates the bucket at least 30 degrees to either side. Use of the wrist action will be limited to light work such as use with ditching bucket.				
f. Heavy Duty Excavating Bucket - A nominal 0.61m to 0.99m wide excavating bucket must be supplied with excavator. The excavating bucket must have teeth and match the quick coupler system. The bucket must have a heaped capacity of at least 0.49 m ³				

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe Date: November 15, 2018
Specification Port Hardy Airport Page: 9

g. Ditching Bucket - A nominal 1.52m to 1.68m wide ditching bucket must be supplied. The ditching bucket must have a have a bolt on reversible and replaceable cutting edge and must match the quick coupler system. The ditching bucket must have heaped capacity of at least 0.83 m ³			
h. Hydraulic Thumb - A hydraulic thumb matching the supplied excavating bucket(s) and quick coupler system must be provided;			
i. Heavy-Duty Rotary Cutter - A heavy-duty horizontal mount rotary cutter used to cut/grind trees and stumps satisfying the safety criteria of SAE Recommended Practice J1001 must be supplied. The heavy-duty rotary cutter must meet the following conditions:			
j. The heavy-duty rotary cutter must have the blades covered and protected by a steel deck and safety guards.			
k. The heavy-duty rotary cutter must be able to cut/grind wood with a nominal diameter of 101 mm to 107 mm			
l. The heavy-duty rotary cutter must have a cutting swath of no less than 1,320 mm			
m. Non-Skid Walking Surfaces - All walking surfaces must be covered with a coarse non-skid coating for operator safety; and			
n. Debris Protection - Debris Protection. The vehicle must have the swing motor, control valves, heater, cab windows and fuel tank protected from vandalism, accumulation of snow, ice, branches and debris.			
6.7 Operator Station - The operator station must include:			

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 10

a. ROPS Cab – A weatherproof pressurized, insulated cab incorporating Roll Over Protective Structure, which must conform to SAE J1040 or ISO 3471			
b. The cab must 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 or conforming to ISO 10263-4;			
c. The cab must have safety glass in windows.			
d. The cab must have a windshield wiper on the front window conforming to SAE J198 including a windshield washer unit for the front wiper; and			
e. The cab must have two lockable doors, or one lockable door and at least one lockable, visibly labelled, window as an emergency operator escape route.			
f. Suspension Seat – An operator's air suspension seat and backrest in conformance with SAE J899 or in conformance with ISO 11112:1995 and ISO 7096. The seat must have seat material being a breathable fabric or a mesh surface.			
g. The seat must be equipped with seat belts, conforming to with SAE J386, Type 1 or ISO 6683; and			
h. The seat must be horizontally and vertically adjustable while in a seated position.			
i. Mirror(s) – Adjustable rear-view mirrors positioned for safe reverse operation. Exterior mirrors must be installed. The non-reflective surface			

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

**Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport**

**Date: November 15, 2018
Page: 11**

of the mirror must be flat black. The mirrors must be a split type with at least 25 percent convex or fully convex;					
k. <u>Air Conditioner</u> – An air conditioning system conforming to SAE J1503 and SAE J169 or conforming to ISO 10263-4 must be provided. Air conditioning units must not use ozone depleting refrigerants such as CFCs (ChloroFluoroCarbons)					Must provide total refrigerant volume contained within Entire cooling system: _____ (measurement used) ____
l. <u>Window Guards</u> - -The windshield and windows must be protected with removable window guards. The guards must provide protection to the operator's station from debris during use of rotary cutter, mulching attachment and similar activities.					
6.8 <u>Chassis</u> – The vehicle chassis must be the manufacturers standard for a vehicle of this type and size.					
6.9 <u>Engine</u> – The engine must be diesel powered.					
a. <u>Engine Components</u> – Engine components must be manufacturers standard.					
b. <u>Fuel Tank(s)</u> – The fuel tank(s) must be the manufacturer's standard. The fuel tank(s) must be at least half full when delivered.					
c. <u>Engine Cold Weather Aids</u> – The engine must 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.					
d. The vehicle must have one of the following: an ether injection system, glow plug(s) or intake air preheat system.					

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 12

g. Engine must be Tier 4 Final				
6.10 Transmission – The transmission must be the manufacturer's standard, which must be power shift, power shuttle or hydrostatic.				
6.11 Braking System – The braking system must be the manufacturer's standard, which must conform to SAE J/ISO 10265.				
6.12 Steering – The vehicle must be equipped with manufacturer's standard steering system.				
6.13 Suspension and Tracks				
a. The vehicle must have triple grouser extreme duty track shoes				
b. The vehicle must have track shoes with a nominal width of 800mm				
c. The vehicle must be equipped with rock guards spanning the length of the track.				
6.14 Controls – Controls must be manufacturer's standard joystick controls including a safety device ensuring that engine can only be started with the transmission in a neutral position and a throttle control positioned for convenient operation.				
6.15 Instruments – Instruments must be manufacturer's standard including a digital read-out hour-meter, which displays accumulated running time up to 9,999 hours.				
6.16 Electrical System – The vehicle electrical system must be manufacturer's standard electrical system, which must include:				
a. Lighting – The vehicle must have LED lighting.				

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

**Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport**

**Date: November 15, 2018
Page: 13**

b. Amber Coloured Strobe Light – Amber coloured omni-directional LED Class 1 strobe light(s) after key continuous on position must be provided. The strobe light(s) must provide maximum vehicle visibility; and be programmed to 60 to 90 flashes per second.			
c. <u>Working Lights</u> – forward and rearward facing working lights must be provided. The working lights must be LED.			
6.17 <u>Hydraulic System</u> – The hydraulic system must be the manufacturer's standard complete with all components required for the operation of the hydraulic equipment specified.			
6.18 <u>Lubricants and Hydraulic Fluids</u> – The vehicle must be serviced with the manufacturer's standard non-proprietary synthetic lubricants and hydraulic fluids.			
6.19 <u>Automatic Greasing System</u> – The vehicle must be equipped with an Automatic Greasing System, which must automatically provide grease to the majority of the greasing points, which must include the quick coupler. The greasing system must include a telltale light indicating that the system is functioning and a low grease level alarm in the operator's station.			
6.20 <u>Paint</u> – The vehicle must be painted using manufacturer's standard commercial colours. The prime coating must be a high-durability, corrosion-resistant type. The prime coating must be epoxy type or baked powder coat.			
6.21 <u>Identification</u> – The following information must be permanently			

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport

Date: November 15, 2018
Page: 14

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.				
6.22 Documentation and Support Items - The Contractor must provide the following documentation and support items.				
a. <u>Vehicle Manuals</u> - Manuals required for safe operation, maintenance and repair of the vehicle. A complete set of manuals must be provided on CD/DVD-ROM (without requirements for password(s), special installation requirements or internet connection) and in paper format. The Vehicle Manuals must include:				
b. <u>Operator's Manuals</u> - Operator's manuals in English				
c. <u>Parts Manuals</u> - The Parts Manuals in English				
d. <u>Maintenance (Shop Repair) Manuals</u> - The Maintenance (Shop Repair) Manual in English				
e. <u>Warranty Letter</u> - A paper copy of the completed Warranty Letter in the approved format must be provided. Designated warranty providers must honour the warranty letter.				
f. <u>Initial Parts Kit</u> - One Initial Parts Kit must accompany the excavator. The initial parts kit must include a complete set of filters and filter elements from the Original Equipment Manufacturer.				
g. <u>Keys</u> - Four (4) complete sets of keys to operate the vehicle and any locks must be supplied.				

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

**Transport Canada Tracked Excavator Hoe
Specification Port Hardy Airport**

**Date: November 15, 2018
Page: 15**

h. Material Safety Data Sheets - The contractor must 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 must be noted on the listing. The contractor must provide Material Safety Data Sheets for all the hazardous materials used in the fabrication of the product supplied.			
6.23 Training - The Contractor must perform the following training:			
b. <u>Training- Operators</u> - The Contractor must provide an operator training course. The course must be given at the destination for a minimum duration of 4 hours to provide training for up to four (4) Transport Canada operators. The final dates must be arranged with the Technical Authority. The course curriculum must include: i. Safety precautions to be observed while operating and servicing the vehicle; ii. equipment operating characteristics; iii. equipment operating procedures; iv. Pre-operating and pre-shutdown procedures; v. Daily/weekly operator servicing procedures; and vi. A minimum of one half (.5) hours practical operating experience per operator.			
7.0 Optional Attachments/ Equipment			Optional equipment pricing must be valid for 12

This amendment has been raised to modify the following mandatory requirement within Annex A - Statement of Requirement:

- 6.4.4.1 Performance
- 6.5 Equipment weight and dimensions
- 6.7 Operator station

Please Delete: Annex A - Statement of Requirement

Please Insert: Annex A - Statement of Requirement (dated November 15, 2018)

Transport Canada Tracked Excavator Hoe Date: November 15, 2018
Specification Port Hardy Airport Page: 16

					months past delivery date of excavator. Optional equipment must be compatible to excavator supplied.
7.1 Grappling Hook - A grappling hook attachment matching the quick coupler system must be supplied. The grappling hook must open to a nominal width of 1,050 mm					
7.2 Hydraulic Breaker - A hydraulic breaker attachment matching the quick coupler system must be supplied. The hydraulic breaker must have a breaking energy of at least 6,750 J					
7.3 Plate Compactor - A plate compactor, compatible with quick connect using auxiliary hydraulic power must be supplied. The plate compactor must have a compacting force of at least 100kN					

All other terms and conditions remain unchanged