



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
PWGSC/TPSGC Acquisitions
1045 Main Street
1st Floor, Lobby C
Unit 108
Moncton, NB E1C 1H1
Bid Fax: (506) 851-6759

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
NB / PEI Division - Moncton Acquisitions Office
1045 Main Street
1st Floor, Lobby C
Unit 108
Moncton, NB E1C 1H1

Title - Sujet Highway Winter Plow Truck	
Solicitation No. - N° de l'invitation 5P132-160731/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client 5P132-160731	Date 2016-12-13
GETS Reference No. - N° de référence de SEAG PW-\$MCT-018-5230	
File No. - N° de dossier MCT-6-39052 (018)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2016-12-28	Time Zone Fuseau horaire Atlantic Standard Time AST
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: Martin, Lisa M.	Buyer Id - Id de l'acheteur mct018
Telephone No. - N° de téléphone (506) 851-7811 ()	FAX No. - N° de FAX (506) 851-6759
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

Solicitation No. - N° de l'invitation
5P132-160731/A
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Solicitation Amendment No. 001

This solicitation is hereby amended to:

(1) Reference: Annex A, Requirement

DELETE Annex A, Requirement; and

INSERT Annex A, Requirement (revised December 13, 2016) attached.

If your bid has already been forwarded and you wish to revise same, this revision should be sent either in a sealed envelope and mailed to the above address or by facsimile (506) 851-6759 and reach the undersigned before the appropriate closing date. The solicitation number and the closing date are to be shown on the outside of the sealed envelope or on the facsimile transmission.

All other terms and conditions of the solicitation document remain unchanged.

All enquiries concerning this amendment are to be forwarded to:

Name: Lisa Martin

Telephone No.: (506) 851-7811

Facsimile No: (506) 851-6759

ANNEX "A"

REQUIREMENT (revised December 13, 2016)

Parks Canada Agency has a requirement for the supply and delivery of an unused heavy tandem truck equipped with hydraulic systems, combination sander/dump box, heavy duty reversible plow, and side wing plow assembly. This unit will be deployed immediately for winter maintenance operations on through highways within Fundy National Park, in the Province of New Brunswick. This acquisition is critical for meeting Parks Canada's Public Safety obligations.

Mandatory Requirements:

Bids MUST meet the mandatory requirements specified below. To demonstrate the requirements of the technical specifications are respected bidders MUST respond with complete specification and/or descriptive literature of the equipment being offered.

The complete specifications and/or descriptive literature should be submitted with the proposal but may be submitted afterwards. If the complete specifications and/or descriptive literature are not submitted as requested, the Contracting Authority will so inform the bidder and provide the Bidder with a time frame within which to meet this requirement. Failure to comply with the request of the Contracting Authority and to meet the requirement within that time period will render the bid non-responsive.

Any proposal which fails to meet the mandatory requirements will be deemed non-responsive.

ATTENTION BIDDERS: WRITE BESIDE THE CRITERIA BELOW THE RELEVANT PAGE NUMBER(S) FROM YOUR PROPOSAL WHICH ADDRESSES THE ISSUE.

PERFORMANCE SPECIFICATIONS AND PURCHASE DESCRIPTION	Page # Cross Reference	Met / Not Met	COMMENTS
1.1 DESCRIPTION OF SYSTEM			
1.1.1 Heavy Truck, 6x4, Diesel, 29,937 Kg. (66,000 lbs) Gross Vehicle Weight Rating (GVWR); Truck Combination Unit.			
1.1.2 Truck must be a standard, unused vehicle that is equipped with a hydraulic system, sander, dump box, plow and wing. Unit must be delivered ready for immediate use, with all specified equipment installed.			
1.2 OPERATING CONDITIONS			
1.2.1 Unit must be capable of operation in ambient temperatures ranging from 45 degrees Celcius down to minus 40 degrees Celsius.			

1.2.2 Unit must be complete with all accessories customarily furnished and installed on this type of vehicle, whether specified herein or not, to enable the vehicle to function reliably and efficiently under all conditions of service, including severe winter conditions.			
1.3 REQUIREMENTS OF REGULATORY AGENCIES			
1.3.1 Unit must comply in all respects with the Highway Act regulations of the Provinces of New Brunswick, Nova Scotia and Prince Edward Island.			
1.3.2 Unit must comply with all applicable Canadian Motor Vehicle Safety Standards (CMVSS).			
1.3.3 Unit must be delivered with a valid Commercial Vehicle Inspection recognized by the province in which is being delivered.			
1.4 MAINTENANCE AND WARRANTY			
1.4.1 Contractor must provide repair, diagnostic, electrical and parts manuals accurately identifying all components of the equipment, including the dump box.			
1.4.2 Contractor must provide access to any electronic diagnostics software or programs used in the repair and maintenance of all components of the equipment, including annual subscriptions or updates.			
1.4.3 Contractor must provide an operators manual for Unit.			
1.4.4 The warranty period must commence on the date the equipment is delivered and must include comprehensive powertrain and emissions system coverage.			
1.5 DELIVERY			
1.5.1 Contractor must lubricate and service unit prior to delivery with all lubricants and associated products suitable for the climatic conditions in which the vehicle must operate.			
1.5.2 Contractor must provide a minimum of 100 litres of fuel in truck at delivery.			
1.5.3 The unit must be delivered to the site specified destination.			
1.5.4 All necessary documentation required for licensing the vehicle for road use, by the issuing Provincial authority, must be provided to the			

consignee when unit is delivered.			
1.5.5 The Contractor must, at no extra cost, arrange with consignee to provide familiarization training/instruction, at the time of delivery, in the correct operating procedures, maintenance and running adjustments necessary to comply with the warranty conditions applicable to this equipment.			
1.5.6 Must be delivered by January 15, 2017.			
PART 2 - REQUIREMENT DETAILS			
2.1 CHASSIS			
2.1.1 The GVWR is to be a minimum of 29,937 Kg. (66,000 lbs)			
2.1.2 Wheelbase must be a minimum of 4900 mm. (193 in.)			
2.1.3 Usable clear cab to axle (CA) must be a minimum of 3225.8mm (127 in.)			
2.1.4 Reinforced frame, entire length			
2.1.5 9,070 kg. (20,000 lbs.) front axle with matching steel leaf suspension. Front axle must be installed in standard setback configuration.			
2.1.6 Matching front shock absorbers			
2.1.7 18,143.7 kg. (40,000 lbs.) tandem rear axle, no spin both axles, with a driver controlled traction differential, air operated			
2.1.8 Rear suspension to be air ride type and be rated at a minimum of 20, 866 kg. (46,000 lbs). Left and right side to have its own leveling control valve.			
2.1.9 Front axle must be equipped with visible cap oil seals			
2.1.10 Power assisted steering must be capable of manual steering in the event of a power failure			
2.1.11 Tilt fibreglass hood and fenders with fixed position grill			
2.1.12 Rear mounted towing provision			

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2.1.13 Spray suppressant mud flaps, mounted in front and behind rear wheels			
2.1.14 Integral front frame extensions which protrude 24 in. ahead of grill			
2.1.15 The chassis should have a front crankshaft driven Power Take Off (PTO)			
2.1.16 Full trailer connections must include air and electrical connections mounted at the end of the frame, including tractor protection valve and 7 pin electrical receptacle with pintle hitch installed.			
2.2 RUSTPROOFING			
2.2.1 Sheet metal areas of cab, firewall, doors (inside and out) and undercarriage (frame) must be treated with a rust preventative coating.			
2.3 PAINTING			
2.3.1 Cab must be painted base coat/clear coat as per Canadian General Standards Board (CGSB)			
2.3.2 Frame rails must be painted black			
2.4 ENGINE			
2.4.1 Liquid cooled, turbocharged diesel engine, certified for on/off highway and construction duties			
2.4.2 Minimum horsepower of 370			
2.4.3 Minimum peak torque, 1250 N.m (1250 lbs/ft.) at 1400 RPM, Governed speed 2100 RPM			
2.4.4 Dry type element air cleaner, mounted under hood, protected from rain and snow			
2.4.5 Oil filter, full flow type with replaceable element			
2.4.6 Minimum 1500 watt block heater with 175 watt oil pan heater on a common receptacle			
2.4.7 Primary and secondary replacement element type fuel filters			

2.4.8 Spin On fuel/water separator			
2.4.9 Standard high opening type thermostat for use with ethylene glycol			
2.4.10 Single vertical exhaust stack with curved spout and bright metal perforated heat shield			
2.4.11 Viscous, maintenance free, temperature controlled cooling fan with fibreglass blades			
2.4.12 C Brake compression brake, 3 position switch			
2.5 TRANSMISSION AND FINAL DRIVE			
2.5.1 Fully automatic transmission with a minimum of 6 forward speeds 3000 RDS series type. Transmission must be sufficiently rated to operate continuous in severe winter applications			
2.5.2 Rear axle ratio to be 5.29. Vehicle to be delivered with the maximum road speed governed to 110 KPH			
2.5.3 Transmission oil cooler			
2.6 BRAKES			
2.6.1 Must be a full air system in compliance with CMVSS 121			
2.6.2 Positive, automatic moisture removing device			
2.6.3 An auxiliary air tank to release spring activated safety brakes			
2.6.4 Air dryer frame mounted with heater			
2.6.5 Automatic front axle limiting valve			
2.6.6 All lines, components and fittings to meet Society of Automotive Engineers (SAE) and Department of Transportation (D.O.T.) standards			
2.6.7 Minimum 18.7 CFM Compressor			

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2.6.8 Minimum 16. 5x6 S cam front brakes with automatic adjusters			
2.6.9 Minimum 16. 5x7 S cam rear brakes with automatic adjusters			
2.7 WHEELS AND TIRES			
2.7.1 Steel belted, steel cord radial tires			
2.7.2 Front: 425/65R22.5, 20 ply.			
2.7.3 Rear: 11R/22.5 16 Ply Mud & Snow			
2.7.4 Hub piloted heavy duty, unimount type rims			
2.7.5 Front rim super single type 12.25X22.5			
2.7.6 Dual rear rims 8.25X22.5			
2.8 FUEL			
2.8.1 Step tank(s) having a capacity of minimum 264 L (Bare Aluminum)			
2.9 INSTRUMENTS AND CONTROLS			
2.9.1 Voltmeter			
2.9.2 Electric engine hour meter			
2.9.3 Coolant temperature gauge			
2.9.4 Engine oil pressure gauge			
2.9.5 Low oil pressure/high coolant temperature audible warning device			

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2.9.6 Fuel level gauge			
2.9.7 Tachometer			
2.9.8 Speedometer/odometer in kilometers			
2.9.9 Low air pressure warning device			
2.9.10 Back up warning alarm			
2.9.11 Transmission oil temperature gauge			
2.9.12 Primary and secondary air system gauges. Units of measurement to be in pounds per square inch			
2.10 ELECTRICAL SYSTEM			
2.10.1 Switch, indicator and wiring for beacon light			
2.10.2 Low cut in, alternator minimum 130 amps			
2.10.3 LED Stop/turn/tail lights with separate back up lights			
2.10.4 Heavy duty, 3000 Cold Cranking Amps (CCA) battery/batteries. 2775 CCA			
2.10.5 Auto reset circuit breakers			
2.11 CAB AND ACCESSORIES			
2.11.1 Dual sun visors			
2.11.2 Cab air conditioning, high output heater and defroster			
2.11.3 Adjustable tilt steering column			

2.11.4 Cab interior light			
2.11.5 Windshield wipers, arctic type, variable, constant speed, fitted with a shear pin or equivalent feature			
2.11.6 Power window, right hand side and driver's door, with the controls within easy access of the operator			
2.11.7 Drivers seat must be a three way adjustable, high back air suspension type with isolator; cloth trim			
2.11.8 Standard passenger seat			
2.11.9 Two exterior type extendible, anti-glare rear view mirrors. West Coast type, left and right side mounted, minimum 180 mm. X 250 mm. (7"x11"). Stainless steel, heated, with LED clearance lights, 101 mm. (4") diameter convex spot mirrors.			
2.11.10 Cab entry/egress handles, left and right sides			
2.11.11 Air and electric operated horns			
2.12 HYDRAULIC SYSTEM			
2.12.1 Supply and install all necessary hydraulic components; valving, controls, hoses, solenoids, fittings, reservoir filters, electrical lines, gauges, pumps, etc., to complete a modular hydraulic system. The hydraulic valving must be operated from a console installed in the cab of the vehicle.			
2.12.2 The system must be used to operate all of the following hydraulic components:			
a) Double acting snow plow wing			
b) Double acting front mount one way and two way plows			
c) Dump box with sander, conveyor and spinner			
d) Controls to operate for a single acting hoist cylinder truck.			

e) The design of the circuit must be such that temperatures must not exceed 160 degrees F. during conditions deemed as normal operations and speeds			
2.12.3 Hydraulic system must be load sensing piloted control type:			
a) Hydraulic pump must be of the dry valve gear pump style			
b) Pump must be shaft driven off the crankshaft but cannot be belt driven off the engine			
c) Response time from 0 to full flow must be less than one (1) second			
2.12.4 Hydraulic system must have filtration			
a) One tank mounted return style filter with by-pass			
d) Micron ratings of filter to be determined by hydraulic system manufacturer's recommendation.			
2.12.5 All Hydraulic hoses must be equipped with standard JIC fittings and be rated for severe winter conditions.			
2.12.6 The hydraulic control valve in this specification must:			
a) Have a minimum of 7 sections			
b) Be air operated			
c) Have a means of manually functioning each segment			
2.12.7 The hydraulic control valve must be capable of controlling the following functions:			
a) Dump box raise and lower - single acting 3 stage 30 ton minimum cylinder			
b) Front plow raise and lower - double acting cylinder			
c) Front plow left and right - double acting cylinder			

d) Wing plow raise and lower - double acting cylinder			
e) Conveyor – hydraulic motor			
f) Spinner motor - bi-direction hydraulic motor			
2.12.8 The control console for the hydraulic functions must:			
a) Be mounted on armrest and be of the adjustable type.			
b) Include supply and installation of all interfaces, relays and cabling to activate valves controlling all plow, wing and dump functions.			
c) Include additional rocker switches to control user installed accessories such as lighting			
d) Back lighting for all the switches and controls			
2.12.9 The sander control must be mounted in immediate proximity to operator			
2.12.10 Hydraulic reservoir must:			
a) Have sight glass or low oil level warning light with clean out			
b) Side mounted on vehicle frame for easy access			
c) Mounted high enough to have the tank outlet at the same height or higher than the pump inlet			
d) Equipped with filter screen to prevent contamination while filling			
e) Permit the intake of air through a 40 micron breather screen during any variance in oil level			
f) Delivered with easily readable oil level (site glass)			
g) Delivered with a ball valve on the outlet to allow for downstream repairs without draining reservoir			

h) Delivered with an unobstructed drain for changing reservoir oil			
2.12.11 Hydraulic system installation			
a) Must be completely tested before release to destination			
b) Must operate multiple hydraulic controlled functions simultaneously without interrupting sander operation			
c) Valving, solenoids and electrical components must be mounted in a weather proof enclosure protected from the elements and corrosive products used in this application. Enclosure to be mounted on top of vehicle frame behind cab and out of the direct pathway of road material and salt spray thrown up from the wheels. The enclosure may attached to or integral to the hydraulic fluid reservoir.			
d) All electrical connections must be water and corrosion resistant.			
e) Components mounted outside the cab must be mounted in such a way as to not obstruct the operator's view of both the spinner and the material gate.			
f) Controls and display mounted inside the cab must be mounted so that the operator does not have to turn his head or body more than 45 degrees from the straight ahead position to operate controls or view display screens.			
2.12.12 Technical support and parts supply must be readily available and within a 250 km radius of the delivered location.			
2.12.13 Supply repair and parts manuals to PCA repair facility.			
2.12.14 Must have Transport Canada National Safety Mark completion certificate applied.			
2.13 MOUNTED EQUIPMENT			
2.13.1 Supply and Install a dump box with sander, conveyor chain, urethane spinner disc, electric tarp kit. and material gate.			
a) Approximate Dimensions (minimum):			

(1) Inside width: 88"			
(2) length: 15.5'			
(3) Side height: 48"			
(4) Tailgate height: 60"			
(5) Cabshield: 30"			
(6) Capacity: 14 cubic yards minimum			
b) Cab shield constructed from minimum 5/32" steel and reinforced at both ends			
c) Front Panel constructed from minimum 5/32" thick solid steel plate			
d) Reinforcement consists of two full height and one full width minimum 5/32" thick steel "V" shaped gussets welded to the outside of the front panel			
e) Sides constructed from minimum 5/32" steel, reinforced			
f) Tailgate Constructed of minimum 3/16" steel			
g) Tailgate, when horizontal, must be level with the floor of the body			
h) Tailgate latch must be over-centre, self-locking design and must be air operated			
i) The boxed rear corner posts must have recessed oval tail lights			
j) Safety leg to hold the box in the raised position must be installed			
k) Floor			
(1) Constructed of one piece, 3/16" thick 80,000 PSI yield strength steel minimum			

l) Under Structure (minimum)			
(1) Two full length 8" I-beams at minimum 80,000 pds. per square inch			
m) Sander			
(1) Chain maintenance system including access panel in rear apron must allow for removal of chain and slotted doghouse must allow for removal of gearbox.			
(2) Self-cleaning pintle type chain			
(3) Chain links are protected by integral chain guard leaving only bar flights exposed			
(4) Chain is driven by 25:1 ratio gearbox			
(5) Bearings are self-aligning and greaseable			
(6) conveyor chain adjustable by use of two grease adjustable actuators			
(7) Hydraulic motor adequately sized for application			
n) Spinner Assembly			
(1) Spinner shaft is sealed type with hydraulic motor on top			
(2) 3.2 cubic inch bi-rotational, hydraulic motor			
(3) Spinner assembly mounted, laterally adjustable and removable			
(4) Urethane spreading disc is minimum 17" diameter			
(5) Non adhesive polyethylene chute feeds the spreading disc			
o) Plow Hitch Assembly			

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(1) Connect/disconnect one way snow plow through the activation of the lift cylinder. (from inside cab)			
(2) Hydraulic locking pins			
(3) double acting hydraulic lift cylinder			
(4) Halogen headlight snow plow lamps and directionals must be mounted on the upper portion of the hitch			
(5) Headgear must incorporate a built in bumper			
(6) Hitch must be mounted close to chassis to reduce plow overhang			
p) Heavy Duty Reversible Plow			
(1) Quick attach/detach, operator controlled from cab; 2 way plow with a minimum blade width of 11' and height 42" with a cutting edge minimum 1/2" x 6". Plow must be mounted with complete wiring harness and all mounting accessories.			
(2) Painted with epoxy primer and then painted with a high quality epoxy or polyurethane paint.			
(3) Plow must have a minimum of four (4) vertical reinforcing bars/ribs			
(4) Must be trip edge design with a minimum of three (3) heavy duty trip springs.			
(5) Must include curb shoes and plow skid/wear shoes			
(6) Must include hydraulic hoses complete with Quick disconnect fittings			
(7) Must include double acting nitrated piston rods and rubber deflector			
(8) Moldboard must be constructed of minimum 10ga steel with adjustable pitch in 3 positions			
(9) Must include cross over relief valve and standard oscillating bar			
q) Side Wing Plow Assembly			

(1) 11' side wing Moldboard must be constructed of minimum 3/16" with cutting edge 11' and overall length 11.6			
(2) Nose height not less than 32" with discharge height not less than 39'6"			
(3) Full hydraulic post assemblies with rear attachment or patrol type.			
(4) Front wing trip hinge must be rubber spring type or equivalent			
(5) Must allow transport without having wing impair passenger side window view			
(6) Must have amber strobe light mounted on rear of wing moldboard			
r) Remote Greasing			
(1) All grease points on sander that are not easily accessible are to have remote grease hoses.			
s) Finish			
(1) All steel must be sandblasted			
(2) All steel must be primed with an epoxy primer and then painted with a high quality epoxy or polyurethane paint.			
2.14 INSTALLATION			
The equipment must be neatly mounted on the truck furnished by the Contractor. Installation must include all hoses, fittings and other appurtenance required to have a complete and ready unit. There must be mounted plow lights, body lights, a spinner light and mud flaps. All steel must be sand blasted before primer and paint is applied.			
PART 3 – CLIENT AND CONTRACTOR CONSULTATIONS			
With regards to the installation of attachments, consultations between the Client and Contractor are to be scheduled at mutually agreeable times between the Project Authority and the Contractor's Representative.			