RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:

Bid Receiving - PWGSC / Réception des soumissions - TPSGC
11 Laurier St. / 11, rue Laurier
Place du Portage, Phase III
Core 0A1 / Noyau 0A1
Gatineau, Québec K1A 0S5
Bid Fax: (819) 997-9776

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
Vehicles & Industrial Products Division
11 Laurier St./11, rue Laurier
7A2, Place du Portage, Phase III
Gatineau, Québec K1A 0S5

Title - Sujet TRAILER	
Solicitation No. - N° de l'invitation W6399-12DC26/B	**Amendment No. - N° modif.** 001
Client Reference No. - N° de référence du client W6399-12DC26	**Date** 2012-07-19
GETS Reference No. - N° de référence de SEAG PW-$$HP-901-60693	
File No. - N° de dossier hp901.W6399-12DC26	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2012-08-10**	**Time Zone** **Fuseau horaire** Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☑ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Martin, Erik	**Buyer Id - Id de l'acheteur** hp901
Telephone No. - N° de téléphone (819) 956-3842 ( )	**FAX No. - N° de FAX** (819) 956-5227
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 Solicitation Amendment #001 is raised to amend the following:

1) At:

TABLE OF CONTENTS, PART 5 - CERTIFICATIONS:

Add:

2. Code of Conduct Certifications - Consent to a Criminal Record Verification

2) At:

TABLE OF CONTENTS

Add:

Attachments:

(PWGSC-TPSGC 229) CONSENT TO A CRIMINAL RECORD VERIFICATION

3) At:

Part 2 - BIDDER INSTRUCTIONS, **1. Standard Instructions, Clauses and Conditions**:

Delete:

The **2003 (2012-03-02)** Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Insert:

The **2003 (2012-07-11)** Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

4) At:

Part 5 - CERTIFICATIONS:

Add:

2. Code of Conduct Certifications - Consent to a Criminal Record Verification

2.1 Bidders must submit with their bid, by the bid solicitation closing date:

(a) a complete list of names of all individuals who are currently directors of the Bidder;

(b) a properly completed and signed form Consent to a Criminal Record Verification (PWGSC-TPSGC 229), for each individual named in the list.

5) At:

PART 6 - RESULTING CONTRACT CLAUSES:

Delete:

3.1 General Conditions

2010A (*2012-03-02*) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

Insert:

3.1 General Conditions

2010A (*2012-07-16*) General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6) At:

PART 6 - RESULTING CONTRACT CLAUSES:

Delete:

10. Priority of Documents

(b) 2010A (2012-03-02) General Conditions - Goods (Medium Complexity);

Insert:

10. Priority of Documents

(b) 2010A (2012-07-16) General Conditions - Goods (Medium Complexity);

7) **Add:**

(PWGSC-TPSGC 229) CONSENT TO A CRIMINAL RECORD VERIFICATION attached hereto;

ANNEX B - PERFORMANCE AND TECHNICAL SPECIFICATIONS FOR THE BOAT TRAILER, AIRCRAFT LOADABLE, TANDEM AXEL attached hereto; and

ANNEX 1 - TECHNICAL INFORMATION QUESTIONNAIRE - BOAT TRAILER, AIRCRAFT LOADABLE, TANDEM AXEL attached hereto**.**

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED.

PERFORMANCE AND TECHNICAL SPECIFICATIONS FOR THE BOAT TRAILER, AIRCRAFT LOADABLE, TANDEM AXLE

1.0 SCOPE

1.1. General

This specification outlines the operational performance and technical requirements for an aircraft loadable tandem axle boat trailer.

1.2. Applicable Documents

The following documents, definitions and acronyms form part of this specification to the extent specified herein. Any other documents are to be considered supplemental information only. Unless otherwise specified, the issue or amendment of documents effective for this contract shall be those in effect on the date of contract award. In the event of a conflict between the documents and the contents of this specification, then the contents of this specification shall take precedence.

- CSA W47.1 M 1987 Certification of Companies for Fusion Welding of Steel (www.csa.ca)
- CSA W59-03 Welded Steel Construction (www.csa.ca)
- AWS D1.1 Structural Welding Code - Steel (www.aws.org)
- ISO 9606-1 Approval Testing of Welders - Fusion Welding - Part 1: Steel (www.iso.org)

1.3. Instructions

The following instructions and definitions apply to the interpretation of this purchase description:

(a) Requirements, which are identified by the word “shall”, are mandatory. Deviations will not be permitted;

(b) Requirements identified by “shall$^{(E)}$” are mandatory. The Technical Authority will consider substitutes/alternatives for acceptance as an Equivalent;

(c) Requirements identified with a “will” define actions to be performed by Canada and require no action/obligation on the Contractor’s part;

(d) Where “shall”, “shall$^{(E)}$”, or “will” are not used, the information provided is for guidance only;

(e) In this document "provided" shall mean "provided and installed";

(f) Where technical certification is required, a copy of the certification or an acceptable proof of compliance shall be provided upon request;

(g) Where a standard or specification is required and the bidder offers an equivalent, that equivalent standard shall be provided upon demand;

(h) Where equipment certification to an SAE standard is required, the bidder shall provide the certification upon request;

(i) Metric measurements shall be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and

(j) Dimensions stated as nominal shall be treated as approximate dimensions. Nominal dimensions reflect a method by which materials or products are generally identified for sale commercially, but which differ from the actual dimensions.

1.4. Definitions

The following definitions apply to the interpretation of this Statement of Work:

(a) “Technical Authority” - The government official responsible for technical content of this requirement;

(b) “Equivalent” - A standard, means, or component type, which has been accepted by the Technical Authority as meeting the specified requirements for form, fit, function and performance;

(c) “Proof of Compliance” - A document such as a brochure, a third party test report, a report generated by third party software, or a certificate of attestation signed by a senior representative of the Original Equipment Manufacturer (such as a certified engineer) indicating the performance and/or feature specified.

(d) The term "Quality Assurance Representative" is defined as the government officer responsible for ensuring that the Contractor quality system, material and services supplied meet the contract requirement; and

(e) “Guidance” is defined as a requirement that may be followed. The guidance is provided to indicate a preferred component Make and Model or dimension that would be best for the application. However, deviating from a guidance doesn’t consider the bid non-compliant.

1.5. Technical Information Questionnaire

The following applies:

(a) The bidder shall complete a Technical Information Questionnaire for the vehicle being offered. Failure to provide specified brochures, performance analysis, drawings, curves or tables may render the proposal non-compliant; and

(b) A nil response to a Technical Information Questionnaire question may be considered non-compliant. Any deviation from the purchase description shall be listed in the Conformance Certificate.

2.0 **REQUIREMENTS**

2.1. Operational Performance Requirements

2.1.1. Design

The trailer shall be manufactured by a company that has at least five (5) years of experience in manufacturing a comparable type of equipment of equivalent or greater complexity.

2.1.2. Climatic Conditions

The trailer shall provide the capability to operate under adverse weather conditions The trailer shall operate safely and efficiently on paved roads, gravel roads and dirt roads with severe washboard, pot holes and off-road terrain in year round conditions including mud, snow and ice in the temperature range of -37°C to 37°C (-34°F to 98°F).

2.1.3. Operational Performance

The Trailer shall:

(a) Have sufficient strength to launch, recover and transport a 9 m (30 ft) long, 6,820 kg (15,000 lb) Rigid Hull Inflatable Boat (RHIB);

(b) Be towable behind a Class 3 Diesel Truck with a towing capacity minimum of 6,000 kg (13,200 lbs);

(c) Have a hydraulic articulated tongue to give the trailer clearance on uneven ground or when going up/down ramps;

(d) Provide the capability to support the weight of the boat from stem to transom on rollers plus 15 % reserve;

(e) Support the centered weight of the boat such that the tongue weight is between 8% to 10% of the total load;

(f) Provide sufficient robustness to withstand frequent use and long journeys over rough terrain with the loaded boat in place; and

(g) Be certified in accordance with Canadian Motor Vehicle Safety Standards for use on all Canadian roadways.

2.1.4. Safety

The following applies to the trailer:

(a) All systems and components shall be safe and easy to use by a 5-95th percentile male or female, in accordance with the Anthropometric Sizing Study for the Canadian Forces, under all operating conditions; and

(b) Construction shall be free from sharp edges and protruding objects capable of snagging loose clothing or impeding occupants moving about.

2.1.5. Maintainability

The trailer design and construction shall enable ready access to all equipment for inspection, cleaning and maintenance.

2.1.6. Supportability

The Contractor shall$^{(E)}$ have locally authorized repair facilities in the main geographical regions of Canada, to include the Maritimes, Central Canada, the Prairies, and British Columbia, or provide DND the option to conduct its own warranty work on a case by case basis. All parts and components shall$^{(E)}$ be available in Canada within 30 days.

2.2. Technical Requirements

2.2.1. Standards of Construction

The trailer shall(E) be constructed in accordance with, and be compliant to, all relevant portions the Canadian welding standards (or equivalent for manufacturers outside of Canada) for the size and style of trailer being offered. Manufacturers or individual welders involved in the welding of the trailer shall hold welding certification to one of the following standards:

(c) Canada - Current division three certification in accordance with CSA W47.1;

(d) United States - Current certification in accordance with AWS D1.1; or

(e) International - Current welder performance qualifications for steel joint welds in accordance with ISO 9606-1.

A letter of validation demonstrating proof of current certification from the appropriate agency shall be provided upon request. All welds shall be inspected by a certified Welding Inspector (in accordance with the above standards) and copies of all welding certifications shall be provided with each trailer.

2.2.2. Construction Materials

All material used in the construction of the trailer shall be in accordance with the following:

(a) All components, equipment and material shall be new material of high quality and capable of withstanding a marine environment;

(b) All materials shall be corrosion resistant and suitable for use in fresh and salt water environments;

(c) All materials exposed to sunlight shall resist degradation from ultraviolet radiation; and

(d) Any dissimilar metals employed in close proximity shall be insulated from each other to prevent galvanic interaction.

2.2.3. Construction Fasteners

All fasteners used in the construction of the trailer shall(E) be in accordance with the following:

(a) Fasteners include nuts and bolts, and aluminum or stainless steel washers or backing plates when directly threaded into aluminum alloys;

(b) All fasteners shall be stainless steel as follows:
   i. ASTM-A 276 type 316 throughout for fasteners ¼” diameter or greater; and
   ii. ASTM-A 276 type 304 (18-8) for fasteners smaller than ¼” diameter;

(c) Cadmium plated parts and fasteners, including washers, shall not be used;

(d) Self-locking fasteners shall be employed, as applicable, to prevent loosening under vibration; and

(e) All fasteners shall be accessible for inspection and replacement, either directly or with the removal of interference equipment where necessary.

2.2.4. Trailer

2.2.4.1. Dimensions
The Trailer shall(E) have the following nominal dimensions:

(a) Overall length of the trailer: 9.1 m (30 ft);

(b) Overall width: 2.6 m (8.5 ft);

(c) Overall height (from ground to highest point on trailer): 1.3 m (4.3 ft);

(d) Ground Clearance: 36 cm (14 in);

(e) Pintle height above ground level and loaded: 61 cm (24 in); and

(f) Track Width: 2.4 m (93 in).

2.2.4.2. Physical Features
The trailer shall(E) be comprised of the following systems and equipment (as detailed in the following sections):

(a) Frame;

(b) Roller Bunks;

(c) Tandem Axles;

(d) Brakes;

(e) Suspension;

(f) Wheel assembly;

(g) Lighting;

(h) Winch system; and

(i) Miscellaneous.

2.2.4.2.1. Frame
The frame shall:

(a) Have a box style frame with minimum nominal dimensions of 7.6 cm width x 15.2 cm height x 0.6 cm wall thickness (3 in x 6 in x 0.25 in);

(b) Have box style cross members with minimum nominal dimensions of 7.6 cm width x 15.2 cm height x 0.6 cm wall thickness (3 in x 6 in x 0.25 in);

(c) Be constructed of hot galvanized steel;

(d) Use stainless steel fasteners and washers;

(e) Have conspicuity tape with alternating red and white on the outside perimeter of the trailer;

(f) Have an illuminated license plate holder; and

(g) Have ten (10) adjustable ties down points with a minimal load rating of 2270 kg (5000 lbs) each.

2.2.4.2.2. Roller Bunks
The trailer shall(E) have at least four (4) roller bunks to support the full weight of the RHIB as follows:

(a) Be a fully adjustable and articulating "wobble" system;

(b) Have no less than eighty (80) rollers on support arms;

(c) Be constructed of hot galvanized steel with nominal dimensions of 5 cm x 10 cm x 0.5 cm (2 in x 4 in x 0.188); and

(d) Have nominal dimensions for each roller bunk of 69 cm x 168 cm (24 in x 66 in).

2.2.4.2.3. Axles
The axles shall(E):

(a) Be of the round tube type with an nominal outside diameter of 9 cm (3.5 in) with a 10 cm (4 in) drop;

(b) Have a minimum capacity of 3636 kg (8000 lbs) each;

(c) Have a nominal 235 cm (92.5 in) track;

(d) Have stainless steel bearing buddies; and

(e) Utilize a two piece oil seal.

2.2.4.2.4. Brakes
The braking system shall(E):

(a) Be hydraulic;

(b) Use nominal 30 cm (12 in) stainless steel rotors;

(c) Use a nominal 8.3 MPa (1200 psi) tongue mounted electric brake actuator ("Hydrostar" or equivalent);

(d) Have nominal 5 mm (3/16 in) stainless steel brake lines; and

(e) Incorporate a break-away switch.

2.2.4.2.5. Suspension
The suspension system shall(E):

(a) Be an under slung leaf type suspension;

(b) Consist of no less than 4 leaves per spring; and

(c) Have a capacity rating of not less than 3950 kg (8700 lbs) per pair.

2.2.4.2.6. Wheel Assembly
The wheel assembly shall(E):

(a) Be of the eight (8) bolt heavy duty type;

(b) Have a 40 cm (16 in) diameter;

(c) Be 15 cm (6 in) width;

(d) Have a zero offset;

(e) Have a galvanized finish; and

(f) Use a tire size of LT235 85R16 with a load rating of G.

2.2.4.2.7. Lighting
The trailer lighting shall be compliant with Canadian Motor Vehicle Safety Standards. The lighting shall(E):

(a) Be submersible as per SAE standards;

(b) Must not use solderless connectors;

(c) Use 12 Volt LED bulbs; and

(d) Have a 7 pole RV style connector.

2.2.4.2.8. Winch
The winch system shall:

(a) Have a two speed manual winch with hand brake;

(b) Have a nominal 5 cm (2 in) heavy duty polyester web strap with self locking hook; and

(c) Have a capacity of 1680 kg (3700 lbs) based on the first wrap of the strap.

2.2.4.2.9. Hydraulic Pivot System
The hydraulic pivot system shall(E):

(a) Provide sufficient clearance between the bottom of the trailer and the floor of the aircraft while loading with the ramp in the down position;

(b) Provide sufficient clearance between the highest point on the RHIB and the ceiling of the aircraft while loading with the ramp in the down position;

(c) Pave a manual actuated hydraulic pump;

(d) Use a hydraulic system (Note, a system manufactured by Spencer is preferred for fleet commonality); and

(e) Use AW32 hydraulic fluid.

2.2.4.3. Miscellaneous
The trailer shall(E):

(a) Employ fenders, mud guards as per Canadian Motor Vehicle Safety Standards;

(b) Employ fenders shall be made of heavy duty galvanized steel with sufficient strength to support a 114 kg (250 lb) downward force;

(c) Provide a pintle hitch coupler on a leveler channel with an adjustable height;

(d) Have two safety chains complete with shackles of suitable size and strength to support the trailer and boat;

(e) Provide a high lift tongue jack with a minimum lift capacity of 1360 kg (3000 lbs), a foot pad and mounted on a swivel; and

(f) Have a spare wheel and hub assembly.

TECHNICAL INFORMATION QUESTIONNAIRE

BOAT TRAILER, AIRCRAFT LOADABLE, TANDEM AXLE

DETACH, COMPLETE, AND RETURN

1. SCOPE.

1.0 SCOPE - This Appendix covers technical information to be supplied by each bidder. This information is required by the Technical Authority for technical assessment of equipment offered.

NOTE: IT IS THE BIDDERS RESPONSIBILITY TO CLARIFY OUTSTANDING TECHNICAL ISSUES, BY WRITTEN REQUEST, TO THE CONTRACTING OFFICER PRIOR TO BID SUBMISSION

PURCHASE DESCRIPTION PARAGRAPHS

2.1.1 Design - Complies? Yes ____ No ____

Otherwise explain _____

(a) Trailer

Make/Model _____

Model Year_____

Has a product brochure been enclosed? Yes ____ No ____

2.1.2 Climatic Conditions - Complies? Yes ____ No ____

Otherwise explain _____

2.1.3 Operational Performance - Complies? Yes ____ No ____

Otherwise explain _____

2.1.4 Safety- Complies? Yes ____ No ____

Otherwise explain _____

2.1.5 Maintainability - Complies? Yes ____ No ____

Otherwise explain _____

2.1.6 Supportability- Complies? Yes ____ No ____

Otherwise explain _____

2.2.1 Standards of Constructions - Complies? Yes ____ No ____

Otherwise explain _____

2.2.2 Construction Materials - Complies? Yes ____ No ____

Otherwise explain _____

2.2.3 Construction Fasteners - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.1 Dimensions - Complies? Yes ____ No ____

Otherwise explain _____

Overall Length _____ m _____ ft

Overall Width _____ m _____ ft

Overall Height _____ m _____ ft

Ground Clearance _____ m _____ ft

Pintle Height _____ cm _____ ft

Track Width _____ m _____ ft

2.2.4.2.1 Frame - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.2 Roller Bunks - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.3 Axles - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.4 Brakes - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.5 Suspension - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.6 Wheel Assembly - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.7 Lighting - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.8 **Winch** - Complies? Yes ____ No ____

Otherwise explain _____

2.2.4.2.9 **Hydraulic Pivot System** - Complies? Yes ____ No ____

Otherwise explain _____

Has a capacity of 1680 kg (3000 lbs)? Yes ____ No ____

2.2.4.3 **Miscellaneous** - Complies? Yes ____ No ____

Otherwise explain _____