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401 - 1230 Government Street
Victoria, B.C.
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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 AMMUNITION CARGO TRAILER	
Solicitation No. - N° de l'invitation W0103-13C038/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W0103-13C038	Date 2013-10-16
GETS Reference No. - N° de référence de SEAG PW-\$VIC-249-6340	
File No. - N° de dossier VIC-3-36065 (249)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-10-31	Time Zone Fuseau horaire Pacific Daylight Saving Time PDT
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: Cress, Christine	Buyer Id - Id de l'acheteur vic249
Telephone No. - N° de téléphone (250) 363-8442 ()	FAX No. - N° de FAX (250) 363-0395
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF NATIONAL DEFENCE CFB ESQUIMALT TEME 1127 WORKPOINT VICTORIA, BC V9A 7N2	

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

W0103-13C038/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

vic249

Client Ref. No. - N° de réf. du client

W0103-13C038

File No. - N° du dossier

VIC-3-36065

CCC No./N° CCC - FMS No/ N° VME

This amendment has been issued to include the Annex A, Statement of Requirement.

All other terms and conditions remain the same.

ANNEX A
STATEMENT OF WORK

Scope

1.1 Purpose – this purchase description describes the requirements for an ammunition cargo trailer, 7000 lbs (3175.146Kg) Min Gross Vehicle Weight Rating (GVWR) single axles, fixed suspension (solid), single wheel for the rear axle and single pivoting axle, fixed suspension (solid), single wheel for the front axle.

1.2 Quantity: Nine trailers with an option acquire 6 additional trailers to expire 30 September 2014.

1.3 Instructions

- (a) In this document "provided" shall mean "provided and installed";
- (b) Where a standard or specification is specified and the bidder offers an equivalent, that equivalent standard must be provided upon request; and
- (c) Where equipment certification to a standard (SAE or other) is required, the Bidder shall provide the certification upon request.

1.4 Definitions-The following definitions shall be applied to the interpretation of this Purchase Description:

- (a) "Quality Assurance Representative" is the government official responsible for ensuring that material and services supplied by the contractor conform to the specified requirements;
- (b) "Technical Authority" is the government official responsible for technical management of this requirement. The Technical Authority is the Department of National Defence, CFB Esquimalt, TEME section; and
- (c) "Technical Authority Approved Equivalent" means a feature, or component, which has been evaluated by the Technical Authority and determined to meet the specified requirement for form, fit, function and performance as applicable;

1.4 Vehicle Configuration Table – Required performance criteria are as follows;

Dimensions, Weights and Capabilities	
Overall Length	144 inches +/- 2.5 cm
Interior Length (Wooden Deck)	140 inches +/- 2.5 cm
Overall Width	72 inches (with rub rails) +/- 2.5 cm
Interior Width (Wooden Deck)	66 inches minimum +/- 2.5 cm
Length of tongue	56 inches minimum with Lunette Ring +/- 2.5 cm
Track Width	64 inches (measured at outside sidewall) +/- 2.5 cm
Deck or platform height to ground	30 inches +/- ¼ inch (see loading docks;

	Fig 1. Height is critical to loading)
Side Rail Height (if required)	Removable aluminum stakes sides (all sides with locking fasteners at four upper corners corner's) 36 inches in height measured from the deck +/- 2.5 cm; Fig 2 & Fig 3
Gross Vehicle Weight Rating	Minimum 7000 lbs (3175.146 kg)
Tire Size	15" (ST225/75R15) 60 PSI to allow load rating and deck to ground height
Brakes	Electric with multiple trailer connection
Turning radius (one trailer)	12 feet or less; Fig 4
Turning radius (three trailers)	20 – 24 feet; Fig 4
Coupler	Pintle eye hook up to fit a 5.25 inch outside – 2.75 inch inside diameter lunette ring
Rear Coupler (Hitch)	Female Pintle hook system
Max operating speed when loaded	25 kmph
Voltage of Electrical System	12 volts

2 Applicable Documents (Annexes, Relevant Publications / Regulations)

2.1 Publications-the following documents form part of this specification. Effective documents are those in effect on date of manufacture. Sources are as shown.

- (a) Transport Canada Consolidation of the Motor Vehicle Safety Act and Motor Vehicle Safety Regulations and all applicable revisions;
- (b) Canadian Government Publishing Center Supply and Services Canada Ottawa, Canada KIA OS9 '
- (c) Society of Automotive Engineers Inc. ' 400 Commonwealth Drive, Warrendale, PA 15096
- (d) Standards Council of Canada Intentional Standardization Branch 350 Sparks St Suite. 1200 Ottawa Ontario

3.0 Requirements

3.1 **Standard Design** – The equipment design:

- (a) Must be the manufacturers latest model; -
- (b) Must have demonstrated industry acceptability by having been manufactured and sold commercially for at least 1 year;
- (c) Must have engineering certification available, upon demand, for this application from the original manufacturers of major equipment systems and assemblies;

- (d) Must conform to all applicable laws, regulations and industry standards governing manufacture, safety, noise levels and pollution in effect in Canada at the time of manufacture;
- (e) Must not have system and component capacities increased above published ratings (Le. product or component brochures); and'
- (f) Must include all components, equipment and accessories normally supplied for this application, although they may not be specifically described in this purchase description.

3.2 Constraints

Trailers for the transportation and storage of ammunition to be pulled by Harlan HTA50 Tow Tractors with Pintle hitch to accommodate Tow Bar lunette measuring 5.25 inch outside diameter with a 2.75 inch inside diameter. The Harlan is rated at 5000lb Draw Bar Pull and a towing weight of 50,000lbs.

4. Operating Conditions

4.1 Terrain – The trailers will be operated on paved roads exclusively. All areas of operation will be flat or level surface with one area presenting an approximate 3 – 4 % gradient.

4.2 Weather – Operation will conducted in both wet and dry conditions but not to include significant snow or ice conditions as their use would be suspended for safety reasons.

5 SAFETY

5.1 Safety-The vehicle must meet the provisions of the Canada Motor Vehicle Safety Act and the Regulations made there under, in effect on the date of manufacture of the vehicle.

(a) All systems and components should be safe and easy to use by a 5-95 % of male or females under all operating conditions;

(b) Entry and exit points must be equipped with handles and steps suitably positioned where required to accommodate a 5-95 % of male or females under all operating conditions; and

(c) Safety features such as warning and instruction plates, non-slip surfaces and heat shields shall be provided where required.

5.2 Noise Level, Operator's Station (s) – Not required.

5.3 Noise Level, Exterior- Not applicable.

5.4 Stability - The vehicle/equipment design and stability should be in accordance with CSA standards.

6.0 Maintainability - Maintenance and repair tasks, routine operator maintenance should be easy to perform with a minimum of special tools and skills.

7.0 Exterior Body

7.1 Construction -The body must:

a) Be a flat deck cargo trailer 7000 lbs (3175.146Kg) or greater GVWR single axle single wheel;

(b) Be constructed of 100% hot dipped galvanized steel frame;

(c) Have a wooden deck: minimum 2”H X 6”D X 66” L +/- 2.5 cm oak planking (treated for weather protection). Deck is level with frame;

(d) **Be equipped with removable aluminum constructed stake sides on all four (4) sides with locking fasteners at all four upper corners so they can act as an integral containment unit. The stake sides should extend 36 inches +/- 2.5 cm above the deck surface. Fig 3**

(e) Be equipped with quantity two wheel chocks. When not in use chocks shall be suspended from the trailer by a hook system; and

(f) The frame of the trailer must have a rub rail, bolted not welded to the frame, with the ability to pull in tight to a corresponding 6 inch wooden rub; Fig 6 rail fitted to the 30 inch height side loading docks located through out the facility. A stake pocket system, bolted not welded, must be fitted within the trailer rub rail to accommodate the stake sides. The trailer rub rail would have to have a centre portion recessed to accommodate reflective tape. Fig 1

(g) Be equipped with full length winch track and sliding winches system on the left side. Quantity 6 per trailer with 30’ (360”) straps along the right hand side (only as the left hand side is used against loading dock rub rail). They must have a working load of 2450 Kg. Each trailer to come with a winch bar with a method of fastening and securing the winch bar to the trailer when not in use. Each strap requires an attachment point on the opposite side of the trailer. Ratchet shall be hot dipped galvanized or made of non corrosion metal.

7.2 Frame-The frame must:

- (a) Be constructed of 100% hot dipped galvanized steel frame;
- (b) Be manufactured from 6" "C" channel for the frame and cross members shall be manufactured with 2"x2"; box tubing for the deck frame; and
- (c) Height from ground to deck surface area must **be as close as possible to 30 inches with a tolerance of +/- ¼ inch; Fig 1**

8.0 Axles

8.1 Axles must:

- (a) Be a minimum of 3,500 lbs (1587.573Kg) capacity per axle;
- (b) Front axle is steerable to accommodate an 11' (132") (3352.79mm) inside turning radius 22' (264") (6705.59mm) diameter;
- (c) Front axle and steering components must have grease fittings at all wear points. Rear axles do not need grease fittings as they do not steer.
- (d) These axles must be bolted on, not welded.

9.0 Service brake-must have **four (4) wheel electric brakes compliant with Transport Canada Regulations.** Brakes must meet all provincial and Federal regulations and be capable of holding 6000 lbs of cargo plus weight of trailer

10 Suspension- must be **RIGID, no springs or shocks,** This is essential for ammunition loading it helps to maintain the trailer bed height at as close to 30 inch as possible while loading and conjunction with the smooth paved roads and restricted speed of operation.

The attached picture is sample only of a similar frame.

11 Coupler

11.1 Front Coupler-must

- (a) be Pintle eye (lunette) hook up with single, tongue mounted; Fig 5
- (b) have safety chain;
- (c) be capable to allow a inside turning radius 12 ft (132") (3352.79mm); Fig 4

11.2 Rear Coupler-must

- (a) Have female Pintle hook system on back of trailer to accommodate a lunette ring.
- (b) Have an integrated secondary safety latch, Holland Hitch Fast Latch system or equal, to eliminate the need for a cotter pin and chain
- (c) Have an attachment point for the safety chain when towing a second and third trailer in series;
- (d) Have an electrical connector at the rear of the trailer to connect braking system to second and third trailers in series. Connector for rear of trailer shall meet or exceed SAE J560.

12 Tongue-must

- (a) The length of the tongue is 4' 8" (56") (1422.39mm), which includes a 4' (48") (1219.19mm), overlap of the neck. Tongue is manufactured from 4" (101.6mm) square hot dipped galvanized stock. Tongue length may be adjusted accordingly to facilitate the multiple trailer (3) turn radius so that there is non interference of trailers with each other when turning.
- (b) Be capable of pivoting approximately 90 degrees upward, so that it may be folded up and out of the way when trailer is not in use, and downward to align tongue with the height of the tow vehicle Pintle hook;
- (c) Have safety chain to be capable to secure tongue in upward position to prevent tongue from falling;
- (d) Have a handle near the top front of the tongue to facilitate safely lifting of tongue into position.

13 Wheels Rims and Tires

Wheels Rims -must

- (a) Be 15" to minimize the height of the trailer for stability.
- (b) Be hot dipped galvanized. .

14 Tires-must

- (a) Be pneumatic tubeless type;
- (b) Be highway tread radial ply;
- (c) Have a Special Trailer (ST) rating;
- (d) Be rated to the GVWR of trailer.

15. Electrical. System-The trailer electrical system must be 12-volt and be the manufacturers standard system.

16. Wiring-must:

- (a) Be properly 'grouped, full length, number coded, and installed to permit easy identification and replacement;
- (b) Be of the proper gauge for the appropriate intent;
- (c) All supports must be non-conductive and precautions taken wherever necessary to minimize damage from heat, water, solvents, or chafing;
- (d) A Wiring schematics be provided;
- (e) Electric brake wiring harness and connector to extend 28' (711.19mm) beyond the pintle hook eye to allow connection to the tow vehicle. This will allow enough wiring to be connected to the tow vehicle without over extending when turning, causing the wiring to break;
- (f) Connector for rear of trailer shall meet or exceed SAE J560; and
- (g) Connector for trailer to tow vehicle shall meet or exceed SAE J560b with cable protector and strain relief.

17. Lighting Transport Canada compliant LED road lighting including turn signals, brakes, license plate lighting.

18. Paint-not required due to the trailer being constructed of hot dipped galvanize.

19. Reflective Tape:

- (a) Two inch reflective tape is to be applied to the entire length of the recessed rub rails.

20. Safety Equipment

20.1 Safety Equipment-Standard safety equipment must meet or exceed Department of Transportation (DOT) regulations at time of manufacture.

- (a) Each trailer must have an anti-static strap bolted to the metal frame of the trailer in such a way that it is contact with the ground at all times.

21. Manuals

21.1 Manuals-must have one printed set and one electronic set on CD(PDF format) of the following:

- (a) Maintenance;
- (b) Parts;
- (c) Operator,

22. Identification

22.1 Identification: The following information must be permanently marked in a conspicuous and protected location:

- (a) Manufacturer's name and model number; and
- (b) Manufacturer's serial number.
- (c) Vehicle identification number (VIN)

23. Warranty

23.1 Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any provisions of the Contract or any condition, warranty or provision imposed by law, the Contractor, if requested by Canada to do so, must replace, repair or correct, at its own option and expense any work that becomes defective or fails to conform to the requirements of the Contract, where applicable. The warranty period will be twelve (12) months after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer.

23.2 Contractor shall have a warranty representation in the Vancouver Island region or must provide and carry out any necessary repair or warranty work at that location and the contractor will be responsible for traveling and living expenses.

23.3 The warranty period is automatically extended by the duration of any period or periods where the Work is unavailable for use or cannot be used because of a defect or non-conformance during the original warranty period. The warranty applies to any part of the Work replaced, repaired or corrected pursuant to subsection 1, for the greater of:

- a. the warranty period remaining, including the extension, or
- b. ninety (90) days or such other period as may be specified for that purpose by agreement between the Parties.

23.4 Manufacturer shall handle the warranty on all subcomponents.