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11 Laurier St. / 11, rue Laurier
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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 SEMI-TRAILER, VAN	
Solicitation No. - N° de l'invitation W8476-134401/A	Amendment No. - N° modif. 001
Client Reference No. - N° de référence du client W8476-134401	Date 2013-04-10
GETS Reference No. - N° de référence de SEAG PW-\$\$HP-918-62566	
File No. - N° de dossier hp918.W8476-134401	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-05-21	
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: Huda Dahir	Buyer Id - Id de l'acheteur hp918
Telephone No. - N° de téléphone (819) 956-1702 ()	FAX No. - N° de FAX () -
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

W8476-134401/A

Amd. No. - N° de la modif.

001

Buyer ID - Id de l'acheteur

hp918

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

W8476-134401

File No. - N° du dossier

hp918W8476-134401

CCC No./N° CCC - FMS No/ N° VME

This amendment to the solicitation is raised to attach the following:

Annex "B" - Purchase Description "Semi-trailer, Van, Single-drop, Tandem, Dual Wheels 27,216 kg (30 -TON - 60,000 - LBS) Payload".

Appendix 1- Technical Information Appendix

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED



NOTICE

This documentation has been reviewed by the technical authority and does not contain controlled goods.

AVIS

Cette documentation a été révisée par l'autorité technique et ne contient pas de marchandises contrôlées.

ANNEX "B"

28 JANUARY 2013

PURCHASE DESCRIPTION

FOR

SEMI-TRAILER, VAN, SINGLE-DROP, TANDEM, DUAL WHEELS 27,216 kg (30-TON -60,000-LBS) PAYLOAD

1 Scope

1.1 Scope This document covers the requirement for 53-foot long, semi-trailer, van body, 27,216 kg (30-Ton -60,000-lbs) payload, dual wheel, tandem.

1.2 Instructions - The following instructions shall be applied to 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. However, the Technical Authority will consider alternatives for acceptance as a Technical Authority Approved Equivalent. "Technical Authority Approved Equivalent" is defined as an alternative standard, design, feature, or component that is evaluated by the Technical Authority and determined to meet the specified requirements for equivalent standard, form, fit, function and performance as applicable.
- (c) Requirements identified with a "will" define actions to be performed by the Crown 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 a standard is specified and the Contractor has offered an equivalent, that equivalent standard shall be provided, upon request;
- (g) Where certification is required, the Contractor shall provide the certification or acceptable proof

of compliance, upon request.

- (h) Metric measurements ***shall*** be used as defining the requirement. Other measurements are reference only and may not be exact conversions.
- (i) 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.

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

- (a) “Technical Authority” (TA) is the government official responsible for technical management of this requirement. The Technical Authority is the Director Support Vehicles Program Management.
- (b) “Technical Authority Approved Equivalent” means a standard, means, or component type, which has been evaluated by the Technical Authority and determined to meet the specified requirements for form, fit, function, and performance.
- (c) “Proof of Compliance” means a document such as a certificate of attestation signed by a certified engineer representing the Original Equipment Manufacturer, or a brochure, or a report generated by third party software or a third party test report indicating the performance and/or feature specified.
- (d) “Road legal” are the characteristics that a vehicle must have so that it can be legally operated on all Canadian highway and secondary roads, not having special restrictions, without requiring overweight or dimensional permits.

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:

Canadian Motor Vehicle Safety Standards (CMVSS)
Transport Canada,
Road Vehicle and Motor Vehicle Regulation,
330 Sparks Street, Tower C,
Ottawa, Ontario K1A 0N5
<http://www.tc.gc.ca/acts-regulations/GENERAL/M/mvsa/menu.htm>

SAE Handbook
Society of Automotive Engineers Inc.
400 Commonwealth Dr.,
Warrendale, Pennsylvania 15096
<http://www.sae.org>

3. REQUIREMENTS

3.1 Standard Design - The Trailer *shall*:

- (a) Be the manufacturer's latest model having demonstrated industry acceptability by having been manufactured and sold commercially for at least 2 years, or, *shall* be manufactured by a company that has at least 5 years experience in design and manufacturing of a comparable type of equipment of equivalent or greater complexity.
- (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.
- (d) Have system and component capacities not greater than their published ratings (i.e. product or component brochures).

3.2 Safety Standards

3.2.1 Safety Regulations - The trailer *shall* meet the provisions of the Canada Motor Vehicle Safety Act in effect on the date of manufacture of the Trailer. The Trailer *shall* carry the National Safety Mark.

3.2.2 Human Engineering and Safety – The Trailer, all systems and components *shall*:

- (a) Be safe and easy to use by a 95th percentile male or 5th percentile female under all operating conditions;
- (b) Have all entry and exit points equipped with handles and steps suitably positioned, to accommodate a 95th percentile male or a 5th percentile female under all operating conditions; and
- (c) Be equipped, where required for operator safety, with safety features such as warning and instruction plates, non-slip walking surfaces and heat shields.

3.3 Maintainability All maintenance and repair tasks, especially routine operator maintenance, *shall* be easy to perform with a minimum of special tools and skills.

3.4 Operating Conditions The complete system, under all load conditions, *shall* operate safely and efficiently as follows without degradation in performance, reliability and maintainability:

- (a) On paved roads, gravel roads and dirt roads with severe washboard and pot holes.
- (b) In the temperature range of -37°C to 37°C (-34°F to 98°F).
- (c) With the stated payload under all operating conditions.
- (d) The trailer *shall* meet the requirement for California Department of Transportation (Caltrans).

3.5 Payload and Weight Ratings

3.5.1 Payloads The trailer ***shall*** be capable of carrying uniformly distributed load of at least 27,216 kg (30 tons/60,000-lbs).

3.6 Dimensions The following nominal dimensions ***shall*^(E)** be provided:

- (a) Trailer length – 16.1-metres (53. feet).
- (b) Overall width - 2,615-mm (102-inches).
- (c) Interior Body height - 2,667-mm (125-inches).
- (d) Exterior Body height not to exceed - 4.1-metres (13.5-feet).
- (e) Kingpin Height - 1,219-mm (48-inches).
- (f) Axle spacing – 1.83-metres (72-inches).
- (g) Position of tandem bogie centerline ahead of the rear of trailer ***shall*^(E)** be adjustable from 2,737-mm (108-inches) to 4,972-mm (196-inches) in 102-mm (4-inches) increments.
- (h) Kingpin distance from front of trailer (KP) - 914-mm (36-inches).
- (i) Landing Wheel Clearance from Kingpin {LWC} - 2,667-mm (105-inches).

3.7 Speed The trailer with payload ***shall*** be capable of being towed at 105-km/h (65-mph).

3.8 Chassis and Auxiliary Systems

3.8.1 Air Brakes The following ***shall*** be provided:

- (a) An anti-lock braking system (ABS) configured with four sensors and two modules – 4S-2M, with the intermediate axle slaved to the forward axle.
- (b) S-Cam type air brakes.
- (c) All trailer axles equipped with long stroke spring actuated, parking brake chambers. The chambers ***shall*^(E)** be Neway Life Seal.
- (d) Automatic slack adjusters.
- (e) Brake housing dust shields.
- (f) Colour coded visual brake stroke indicators. The indicators ***shall*^(E)** be Safe-T-Brake.
- (g) Colour coded glad hand couplers offset to the roadside, with dummy glad hand couplers equipped with a safety chain provided for each glad hand.
- (h) Heated expello valves on air tanks.

3.8.2 Tires and Wheels The following *shall*^(E) be provided:

- (a) Tubeless steel belted radial tires.
- (b) Tire size of 11R 22.5.
- (c) 8.25 X 22.5 hub pilot mounted aluminium disk wheels.
- (d) A hubometer that reads in kilometers mounted on the forward left-hand wheel of the trailer.
- (e) Wheel nut torque indicators.

3.8.3 Suspension and Axles The following *shall* be provided:

- (a) A minimum axle capacity of 11,340-kgs (25,000-lbs) each.
- (b) A suspension with minimum rating of 11,340-kgs (25,000-lbs) each.
- (c) Automatic height control valve(s).
- (d) Manual air suspension dump valve(s).
- (e) Shock absorbers on all axles.
- (f) Suspension travel limiters. These are devices that prevent suspension over-travel while slinging or lifting the trailer for decking or sea transport. The devices *shall*^(E) be cables or chains fastened to the suspension beam or axle and the under frame at a length approximately equal to or less than the shock absorber extended stroke. The use of shock absorbers as travel limiters is not acceptable.

3.8.4 Landing Gear The following *shall* be provided:

- (a) A inter connected two legged, two speed, landing gear with self-leveling landing pads.
- (b) The crank handle located on the right hand side (road side) of the trailer.
- (c) A minimum lifting capacity of 22,675-kg (50,000-lbs).

3.9 Electrical System

3.9.1 Electrical System Features The following *shall*^(E) be provided:

- (a) A 12-volt negative ground electrical lighting system. The system *shall*^(E) utilize Grote, Truck-Lite, sealed harness c/w bullet or spade lamp connectors that are compatible with all lamps dipped in dielectric grease.
- (b) An ABS trailer receptacle
- (c) LED mid-ship combination turn signal/ clearance lamps on the left and right sides.

- (d) Five LED clearance lights installed on rear at top of body.
- (e) Two LED stop, tail and turn signal light assemblies on each rear corner.
- (f) Wiring protected by insulating grommets where passing through metal.

3.10 Trailer Construction

Trailer construction as specified in paragraph 3.10 is considered the minimum requirement. Trailer construction that exceeds the requirement in paragraph 3.10 will be considered acceptable. However, all mandatory requirements shall be met.

3.10.1 Trailer Body The following applies:

- (a) The body shall be commercial type van body. The outside design shall^(E) be sheet and post concept.
- (b) Large radius corners shall^(E) be utilized on the front face of the body.
- (c) All panel joints shall be designed to prevent the ingress of moisture.

3.10.2 Trailer Frame The following applies:

- (a) The frame shall be properly reinforced for towing points.
- (b) The **lower rails** shall^(E) be 10-gauge HSLA "J" rail welded to cross members below floor line to support wall panel. No sidewall fasteners in load area. Stainless steel truss head fasteners shall^(E) be used to attach lower aluminum rub rail.
- (c) The **cross members** shall^(E) be 101-mm (4-inch) HSLA 60,000-lb yield I-beams on 304-mm (12-inch) centres welded to j" rail. The rear 1,828-mm (6-feet), shall^(E) have cross-members spaced on 15-mm (6-inch) centers to accommodate the initial forklift front axle load.
- (d) The **coupler assembly** shall^(E) be a full width, one piece, of HSLA steel with six structural steel 63-mm (¼ -inch) channels to reinforce the approach area and front wall. The bearing channels shall^(E) be 2,540-mm x 1,016 –mm x 25 – mm (10- inches x 4-inches x ¼inch) ladder plates. There shall^(E) be a 47-mm (3/16-inch) cap plate welded over the entire kingpin cavity to eliminate coupler warping. The exterior lower bulkhead shall^(E) be 10-gauge x 2,286-mm (9-inches) stainless steel, completely welded to the coupler assembly, and wrapped around the radius corners to the sidewalls. A stainless steel welded pick-up ramping angle shall^(E) be provided.

3.10.3 Kingpin A 50-mm (2-inch) diameter kingpin shall be provided.

3.10.4 Floor The following applies:

- (a) The floor shall be strong enough for loading cargo by forklift with a 4,540-kg (10,000-lbs) GVW and 3,630-kg (8,000-lbs) single axle load.
- (b) The floor shall^(E) be kiln dried or seasoned hardwood floor with tongue and groove or ship lapped

construction, finished thickness of 349-mm (1 3/8-inches).

- (c) Two rows, full length on each side of floor integrated securement track with quantity twelve multiposition cargo hands rated at 2,268 kg (5,000 lbs) shall^(E) be provided.
- (d) The interior walls shall^(E) be lined with a 12-gauge galvanized steel protective barrier (scuff plate), to a nominal height of 410-mm (16-inches).
- (e) The threshold plate shall^(E) be constructed of 3,048-mm x 12.5—mm (12-inch x 1/8-inch) steel checker plate routed into the floor and welded across the rear.

3.10.5 Roof The following shall^(E) be provided:

- (a) A one-piece roof of Kemplite translucent fibreglass riveted around the perimeter to recessed roof rails and bonded to pre-cambered aluminum or galvanized steel roof bows.
- (b) Pre-cambered 51-mm (2-inch) top-hat type roof bows, spaced 61.5-mm (24-inches) apart.
- (c) Two evenly spaced full-length ceiling mounted rub strips. The strips shall^(E) be located approximately 65.5-cm (25-inches) front the side of the sidewalls. The strips shall^(E) be designed to incorporate the interior lights and act as a protection device to prevent loads from catching on the cross members.

3.10.6 Motorized Rear Ramp The following shall^(E) be provided:

- (a) One rear full height full-width ramp type door, with a minimum vertical opening 2,591-mm (102-inches) high.
- (b) Compression-type door hardware on rear door, with provision for locking with a padlock.
- (c) Molded rubber door seals.
- (d) Devices to secure the door in closed position.
- (e) A minimum of four hinges.
- (f) The doorframes of 11-gauge satin coat or galvalume steel.
- (g) The doorsills of 4-mm (3/16-inch) steel.
- (h) A 12-vdc winch type mechanism to open and close the ramp.
- (i) Ramp to be open from the interior and exterior.

3.10.7 Motorized Side Ramp The following shall^(E) be provided:

- (a) One side ramp type door, with a vertical opening 2,184-mm (86-inches) high and a minimum width of 1,829-mm (72-inches)
- (b) Compression-type door hardware on rear door, with provision for locking with a padlock.

- (c) Molded rubber door seals.
- (d) Devices to secure the door in closed position.
- (e) A minimum of two hinges.
- (f) The doorframes of 11-gauge satin coat or galvalume steel.
- (g) The doorsills of 4-mm (3/16-inch) steel.
- (h) A 12-vdc winch type mechanism to open and close the ramp.
- (i) Ramp to be located at least 914-mm (36-inches) away from the drop in the frame.
- (j) Ramp to be open from the interior and exterior.

3.10.8 Features The following *shall*^(E) be provided:

- (a) Heavy-duty, rubber, dock bumpers 102-mm (4-inches) deep at the rear comers.
- (b) Eight, interior, LED lights flush mounted to ceiling rub strips and a timer switch mounted in the right rear inside of the van body (accessible from the ground).
- (c) Logistic tracks shall be provided. The tracks *shall*^(E) be 16 gauge galvanized steel and 80 psi with 8-inches centre-to-centre slots for cargo control. Tracks *shall*^(E) be evenly spaced, 24-inches centre-to-centre.
- (c) Two access steps with grab handles in each comer to facilitate easy access for hand unloading.
- (d) A regulation size, under ride (ICC) bumper.
- (e) Lower side skirt for trailer body.

3.11 Miscellaneous Equipment

3.11.1 Equipment Location All systems and components *shall* be properly located and/or protected from road hazards such as water, mud and gravel.

3.11.2 Towing/Tie-down Points The following *shall* be provided:

- (a) Two rear towing points positioned and of sufficient strength to permit the loaded trailer being recovered.
- (b) Railway tie-down points positioned and of sufficient strength to permit the securing and transportation of the loaded trailer on a railroad car.

3.11.3 Tool Storage Compartment The following applies:

- (a) One weatherproof aluminum compartments *shall* be provided.

- (b) The compartments ***shall*^(E)** be mounted under the floor, located on the right side of the trailer, immediately to the rear of the side ramp.
- (c) The compartment ***shall*^(E)** measure 508-mm high by 609-mm deep by 914-mm wide (20 by 24 by 36-inches).
- (d) The compartment door ***shall*^(E)** swing outward and be equipped with flush- mounted, lockable slam-action latches.
- (e) The compartment floor ***shall*^(E)** be covered with DRI decking. The floor of the compartment ***shall*^(E)** be equipped with drain holes with evacuation valves.

3.11.4 Mud Flaps Mud flaps ***shall*** be provided.

3.11.5 Spare Tire/Wheel Assembly and Tools The following ***shall*** be provided:

- (a) One full size spare wheel assembly and carrier. The carrier ***shall*^(E)** be mounted on the right side rear of the landing gear.
- (b) Tire changing tools including a jack.

3.11.6 Conspicuity Tape The following applies:

- (a) Strips of reflective tape ***shall*** be applied in accordance with existing regulations.
- (b) The tape ***shall*^(E)** be 3M Scotchlite Diamond Grade 980.
- (c) White tape ***shall*^(E)** be applied horizontally near the floor line on each side and at the rear of the body, and at the upper rear corners of the body.

3.11.7 Dangerous Goods Placard Holders Four aluminum "Dangerous Goods" placard holders ***shall*** be supplied as follows:

- (a) One each side of the body, centered front to rear, near the bottom.
- (b) One at the rear, lower curbside corner.
- (c) One at the front, on the left front face of the body.

3.11.8 Licence Plate Holder A rear holder ***shall*** be provided with LED light.

3.11.9 Document Holder A holder ***shall*** be provided. The holder ***shall*^(E)** be installed on the exterior of the left side of the front wall.

3.12 Paint and Corrosion Protection

3.12.1 Paint Finish The following applies:

- (a) The trailer ***shall*** be painted in accordance with the manufacturer's best production procedures

using standard commercial practices and materials, rendering a durable finish at the required film thickness and a smooth appearance free from runs, sag and orange peel.

- (b) A phosphate treatment plus primer or an E-coat system ***shall***^(E) be provided on ferrous metals, and then followed by two coats of paint.
- (c) A cleaning and etching treatment plus primer followed by two coats of paint ***shall***^(E) be provided on aluminum components.
- (d) A clear exterior grade sealer ***shall***^(E) be applied on all wooden areas.

3.12.2 Paint Colour The following applies:

- (a) White ***shall*** be applied on exposed exterior surfaces normally painted for the commercial trade.
- (b) Chassis items such as frame and tailgate ***shall***^(E) be painted Black. Chromed, polished and mill finished surfaces need not be painted.

3.12.3 Corrosion Protection System The following applies:

- (a) In addition to standard factory rustproofing, aftermarket rustproofing ***shall*** be provided. The treatment will normally be applied within the first year of service. The treatment date will be directed by the Technical Authority to optimize seasonal rust prevention benefits. If not demanded prior to delivery, a pre-paid certificate authorizing treatment at an aftermarket outlet shall be provided with the trailer.
- (b) Metal surfaces treated with a rust preventive oily film product having the following properties:
 - i Moisture displacing.
 - ii Creeping (capillary action).
 - iii Low solvent content.
 - iv Compatibility with rubbers, plastics and all other materials used in automotive construction.
 - v Non toxic.
 - vi Minimal dripping.
- (c) Written proof of a twelve hour ASTM B117 salt spray endurance test certification by an independent test laboratory. Krown, Rust Kontrol and Rust Check products have been previously certified, proof not required.
- (d) The application includes, but is not limited to the underside of fenders and hood, enclosed and boxed-in sections, seams, mouldings, crevices, weld points, underbody and exposed exterior brackets.

- (e) A decal and warranty papers shall^(E) accompany each trailer.
- (f) Annual reminder letters shall^(E) be provided for each trailer.
- (g) The corrosion protection system shall^(E) be widely available in Canada or at least available through mobile facilities.
- (h) The corrosion protection system shall^(E) be Krown.

3.12.4 Corrosion Resistant Materials The following applies:

- (a) Stainless steel, zinc plated or hot dipped galvanized fasteners shall^(E) be provided.
- (b) The design of the trailer shall^(E) prevent galvanic corrosion.

3.12.5 Corrosion Protection System The metal surfaces shall be treated with a corrosion rust preventive substance.

3.13 Miscellaneous The following is applicable to the complete system unless otherwise specified:

3.13.1 Identification Plate The following information shall be provided as a minimum, permanently marked and in a conspicuous and protected location:

- (a) Manufacturer, model, model year and serial number.
- (b) GAWR and GVWR ratings.

3.13.2 Warning and Instruction Plates The following shall be provided:

- (a) All plates within easy view of the user and in accordance with standard commercial practice.
- (b) International symbols and/or bilingual markings.
- (c) Instructions for engine starting and any other special procedures to be followed.

3.13.3 Lubricants and Fluids The trailer shall^(E) be serviced with standard lubricants and fluids compatible with the delivery location and season.

3.14 Deliverable Information The following is applicable to the complete system. The following items shall be provided:

- (a) **Equipment Manuals** – The following manuals shall be provided:
 - i. **Operator’s/Owner’s Manuals** – Operator’s manuals shall be furnished in a bilingual format or as 2 manuals in a single binder (one English, one French). **A hard copy of the Operator’s manual shall be delivered with each trailer;**
 - ii. **Parts Manuals** – The Parts Manuals shall be in English (French translation is desirable);

- iii. **Maintenance (Shop Repair) Manuals** - The Maintenance (Shop Repair) Manual **shall** be in English (French translation is desirable);
 - iv. A copy of the manuals on CD/DVD-ROM will acceptable. This **shall** include all the manuals provided in clauses 4.14 (a) i, ii and iii. For usability, CD/DVD-ROM **shall not** require password to be accessed. The mandatory requirement as detailed in paragraph 3.14(a) i **shall** be met;
 - v. **Sample Manuals** – A set of Sample Manuals, including all of the above manuals. The sample manuals **shall** be delivered to the Technical Authority 15 working days before delivery of trailers. Sample manuals will not be returned. The Technical Authority will provide manual approval or comments within 30 days;
- (b) **Data Summary** – The Contractor **shall** provide a Data Summary to the Technical Authority for each complete trailer make/model furnished. The Contractor **shall** complete Data Summary by filling in the required data and an electronic picture into a Data Summary template provided by the Technical Authority;
 - (c) **Photographs** – The contractor **shall** provide the Technical Authority with two (2) digital pictures, one of the left front three-quarter view, and one of the right rear three-quarter view. All pictures **shall**^(E) be taken with a clear uncluttered background. The picture size **shall**^(E) be at least 4 Mega pixels;
 - (d) **Warranty Letter** – The contractor **shall** provide a copy of the completed Warranty Letter with each trailer shipped in the format approved by the Technical Authority. The Contractor **shall** send a copy of the completed Warranty Notification Letter to the Technical Authority for each trailer shipped, at shipment. A copy of the Warranty Letter **shall** be forwarded to the Technical Authority in electronic format;
 - (e) **Line Setting Ticket** – The Contractor **shall** provide a Line Setting Ticket, or equivalent, describing the components provided on the cab and chassis. One copy of the Line Setting Ticket **shall** accompany each completed trailer to the final delivery point. One copy of the Line Setting Ticket **shall** be forwarded to the Technical Authority as soon as they are available; and
 - (e) **Familiarization** - The contractor **shall** provide 1-day (8 hours) instruction at each delivery destination no later than one month after delivery of each trailer. The instruction **shall** include the detailed operation and normal servicing of the trailer/equipment to be split into two - four hour segments for operator training and maintainer training.

4. QUALITY ASSURANCE PROVISIONS

4.1 Quality System Requirements- The Contractor's Quality System **shall** be in compliance with Quality Assurance Clause found in the Contract. The contractor **shall** be responsible for the Quality System. The Quality Assurance Representative (QAR) will assure that the contractor is providing a Quality System.

4.2 Performance and Verification Testing- The first trailer **shall** be examined and performance tested by the contractor, to ensure item by item conformance to specified requirements. The QAR and/or the Technical Authority may witness this testing and operate the unit sufficiently to assess the handling characteristics.

APPENDIX "1"

TECHNICAL INFORMATION APPENDIX

DETACH, COMPLETE, AND RETURN

BIDDERS RESPONSE TO BE TYPED

ECC – TBD

1. SCOPE

1.1 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

3.1 Standard Design - As specified ? Yes _____ No _____

(a) Make, Model and Capacity _____

Model Year _____

3.2.1 Safety Regulations - As Specified? Yes _____ No _____

3.2.2 Human Engineering and Safety - As Specified? Yes _____ No _____

3.3 Maintainability – As specified? Yes _____ No _____

3.4 Operating Conditions - As Specified? Yes _____ No _____

3.5 Payload and Weight Rating

3.5.1 Payload and Weight Rating – As specified? Yes _____ No _____

(a)

	<u>Front</u>	<u>Rear</u>	<u>Total</u>
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Total Curb Weight _____

Maximum Payload _____

Total Gross Weight _____

(b) Gross Trailer Weight Rating (GVWR) _____

Gross Axle Weight Rating (GAWR) – Front_____

Gross Axle Weight Rating (GAWR) – Intermediate_____

Gross Axle Weight Rating (GAWR) – Rear_____

3.6 Dimensions - As specified? Yes_____No_____

(a) Overall Width_____

(b) Overall Length_____

(c) Main Deck Length_____

(d) Main deck Height Laden_____

(e) Length of Gooseneck_____

(f) Loaded Ground Clearance_____

(g) Front of Trailer to Kingpin_____

(h) Kingpin Height_____

(i) Landing Wheel Clearance (LWC)_____

3.7 Speed - As specified? Yes_____No_____

3.8 Chassis and Auxiliary Systems

3.8.1 Air Brakes - As specified? Yes_____No_____

Brakes - Make, Model and Size_____

(c) Brakes Chambers - Make and Model_____

3.8.2 Tires and Wheels - As specified? Yes_____No_____

(b) Tires - Make, Model and Size_____

(c) Wheels - Make, Model and Size_____

3.8.3 Suspension & Axles - As specified? Yes_____No_____

(a) Intermediate Axle - Make, Model and Capacity_____

Rear Axle - Make, Model and Capacity_____

(b) Suspension - Make, Model and Capacity_____

3.8.4 Landing Gear - As specified? Yes _____ No _____

(c) Landing Gear - Make, Model and Capacity _____

3.9 Electrical System

3.9.1 Lighting - As specified? Yes _____ No _____

3.10 Trailer Construction

3.10.2 Trailer Frame - As Specified? Yes _____ No _____

Description _____

3.10.3 Kingpin - As specified? Yes _____ No _____

Kingpin Size _____

3.10.4 Deck Floor - As Specified? Yes _____ No _____

(a) Description and Thickness _____

3.10.5 Roof - As Specified? Yes _____ No _____

3.10.6 Side ramp - As Specified? Yes _____ No _____

3.10.7 Motorized rear ramp - As Specified? Yes _____ No _____

3.10.8 Features - As specified? Yes _____ No _____

(c) **Logistic Tracks** – As specified? Yes _____ No _____

(g) **Lower side skirts** – As specified? Yes _____ No _____

3.11 Miscellaneous Equipment

3.11.1 Equipment Location - As Specified? Yes _____ No _____

3.11.2 Towing/Tie-down Points - As Specified? Yes _____ No _____

3.11.3 Storage Compartments - As specified? Yes _____ No _____

Compartment Dimensions – L _____ W _____ H _____

3.11.4 Mud Flaps - As Specified? Yes _____ No _____

3.11.5 Spare Tire/Wheel Assembly and Tools - As Specified? Yes _____ No _____

3.11.6 Conspicuity Tape - As Specified? Yes _____ No _____

3.11.7 Dangerous Goods Placard Holders - As Specified? Yes _____ No _____

3.11.8 License Plate Holder - As Specified? Yes _____ No _____

3.11.9 Document Holder - As Specified? Yes _____ No _____

3.12 Paint and Corrosion Protection

3.2.1 Paint Finish - As Specified? Yes _____ No _____

3.12.2 Paint Colour - As Specified? Yes _____ No _____

3.12.3 Corrosion Resistant Materials - As Specified? Yes _____ No _____

3.12.4 Corrosion Protection System - As Specified? Yes _____ No _____

3.13 Miscellaneous - As Specified? Yes _____ No _____

3.17 Deliverable Information - As Specified? Yes _____ No _____

