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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
Industrial Vehicles & Machinery Products Division
11 Laurier St./11, rue Laurier
7B1, Place du Portage, Phase III
Gatineau
Québec
K1A 0S5

Title - Sujet Scrubber, Self Propelled	
Solicitation No. - N° de l'invitation W8476-144459/A	Amendment No. - N° modif. 002
Client Reference No. - N° de référence du client W8476-144459	Date 2013-10-02
GETS Reference No. - N° de référence de SEAG PW-\$\$HS-636-63375	
File No. - N° de dossier hs636.W8476-144459	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2013-10-15	
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: Khan, Shazia	Buyer Id - Id de l'acheteur hs636
Telephone No. - N° de téléphone (819) 956-7345 ()	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

AMENDMENT 002

This amendment is raised to extend the bid closing date, to modify the Purchase Description (PD) in the Request for Proposal (RFP) and provide questions and answers to potential bidders as follows:

1. Request For Proposal (RFP) - Bid Closing Date:

Delete: 2013-10-07

Insert: 2013-10-15

2. Purchase Description for Scrubber, Self Propelled, Electric Heavy Duty Industrial Type With Solution Recycling System **dated 25 March 3013**

Delete: in its entirety

Insert: Purchase Description for Scrubber, Self Propelled, Electric Heavy Duty Industrial Type With Solution Recycling System **dated 30 September 2013**

3. Question: In regards to the initial parts kit, should this kit include brushes, brooms and squeegees or only filters and filter accessories.

Answer: Yes - brushes, brooms and squeegees should be included in the initial parts kit.

A Revised Purchase Description is attached reflecting changes in the size of debris hopper.

All other terms and conditions remain the same.



The Canadian Forces Material Handling Equipment
PURCHASE DESCRIPTION FOR SCRUBBER, SELF PROPELLED, ELECTRIC HEAVY
DUTY INDUSTRIAL TYPE WITH SOLUTION RECYCLING SYSTEM

30 September 2013

OPI: DSVPM 4/DAPVS 4
National Defence Headquarters
Major General George R. Pearkes Building
Ottawa, Ontario
K1A 0K2

Issued on Authority of the Chief of the Defence Staff
Publiée avec l'autorisation du Chef d'état-major de la Défense

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1. **SCOPE**

1.1 **Scope** - This purchase description covers the requirements for an electric motor powered, industrial rider type self-propelled scrubber.

1.2 **Instructions** - The following instructions apply 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**^(B)" 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**^(B)", 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) Metric measurements **shall** be used to define the requirement. Other measurements are for reference only and may not be exact conversions; and
- (h) 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 apply to the interpretation of this Purchase Description:

- (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; and

(c) "Proof of Compliance" - *Proof of Compliance* is defined as a document, such as a brochure and/or technical literature and/or a third party test report provided by a nationally and/or internationally recognized testing facility and/or a report generated by a nationally and/or internationally recognized third party software. The document **shall** provide detailed information on each performance requirement and/or specification. Where a document submitted as **Proof of Compliance** does not cover all the performance requirements and/or specifications or when no such document is available or when modifications to the original equipment or customization are required to achieve the performance requirements and/or specifications, a Certificate of Attestation (as a separate document) signed by a senior engineer representing the Original Equipment Manufacturer (OEM) detailing the modifications and how they meet the performance requirements and/or specifications **shall** be provided. The certificate **shall** detail all performance requirements and/or specifications required to substantiate compliance. One certificate can be provided for one or all performance requirements and/or specifications.

1.4 **Requirements Summary Table** - Vehicles covered by this Purchase Description are represented as configurations. The following table shows required performance and dimensions by configuration with a clause reference.

CHARACTERISTICS	CLAUSE	UNITS	CONFIGURATION		
			A	B	C
WALL-TO-WALL TURN	3.4.1(b)	mm		3,300	
		in		129	
SCRUBBING PATH	3.4.2	mm		1,220	
		in		48	
VEHICLE HEIGHT	3.4.3	mm		2,365	
		in		93	
DEBRIS HOPPER	3.5.1(b)	l		85	
		cu ft		3.0	
SOLUTION TANK	3.5.1(d)-i	l		215	
		US Gals		57	
RECOVERY TANK	3.5.1(d)-ii	l		270	
		US Gals		72	
BATTERY CAPACITY	3.15(a)	kWh		20	
CHARGER 550 VOLT 3 PHASE	3.15(c)			✓	

FAMILIARIZATION	4.2(a)			✓	
INITIAL PARTS KIT	4.1.1(c)			✓	

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:

UL 583 Standards for Safety, Electric Battery Powered Industrial Trucks

Underwriters' Laboratories of Canada
 7 Crouse Road,
 Scarborough, Ontario, M1R 3A9
<http://www.ulc.ca/>

3. REQUIREMENTS

3.1 Standard Design - The vehicle/equipment **shall**:

- (a) Be the latest model from a manufacturer who has demonstrated acceptability by manufacturing and selling this type and size class of vehicle for at least 1 year;
- (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; and
- (d) Have system and component capacities not greater than their published ratings (i.e. product or component brochures) or accompanied by proof of compliance.

3.2 Operating Conditions

3.2.1 Weather - The vehicle/equipment **shall** operate under the extremes of weather conditions found in Canada in temperatures ranging from 0 to 40° C (32 to 102° F).

3.2.2 Terrain - The sweeper scrubber **shall** be capable of being

operated on use-roughened concrete floors while being used for floor scrubbing and sweeping in and around warehouses.

3.3 Safety Standards

3.3.1 Hazardous Materials - The contractor **shall** minimize the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals used in the fabrication of the product supplied. Items considered as hazardous materials **shall** be those given in the Hazardous Products Acts. The contractor **shall** provide Material Safety Data Sheets to the Technical Authority of all the above substances used in the fabrication of the product supplied.

3.3.2 "E" Rating - The vehicle/equipment **shall** be manufactured to meet the requirements of an "E" Rating in accordance with Standard UL 583.

3.4 Performance - Performance **shall** be validated with Proof of Compliance.

3.4.1 Vehicle Performance - The vehicle/equipment **shall**:

(a) Have a forward speed of no less than 6 km/h (3.6 mph); and

(b) Have the capability to turn between walls with a separation of no more than that given as "WALL-TO-WALL TURN" in the Requirements Summary Table without reversing.

3.4.2 Scrubber Performance - The scrubber **shall** have a scrubbing path of that given as "SCRUBBING PATH" in The Requirements Summary Table with a tolerance of ± 100 mm (4 inches).

3.4.3 Dimensions - Scrubbers **shall** have an overall height with overhead guard not exceeding that given as "VEHICLE HEIGHT" in the Requirements Summary Table.

3.5 Equipment

3.5.1 Application Equipment - Equipment/features below **shall** be provided:

(a) Scrubbing System - At least one easily replaceable rotary or cylindrical scrubbing brush. Brush(es) **shall** exert a downward pressure when lowered;

(b) Sweeping System - An easily replaceable rotating powered cylindrical sweeping broom. Proof of Compliance **shall** be provided to validate performance. The broom **shall** sweep

the debris into a corrosion resistant self-draining hopper with a capacity of no less than that given as "DEBRIS HOPPER" in the Requirements Summary Table;

- (c) **Squeegee** - An easily replaceable flexible squeegee mounted on the rear of the vehicle. The squeegee **shall** be designed with side wiper blades to prevent spilling of the contained solution on turns. The squeegee **shall** be automatically raised when the vehicle is driven in reverse;
- (d) **Cleaning Solution System** - A cleaning solution system. Proof of Compliance **shall** be provided to validate performance. The system **shall** include:
 - i A Solution tank capacity of at least that given as "SOLUTION TANK" in the Requirements Summary Table complete with an automatic valve to prevent flow of solution with brushes are in raised position; and
 - ii A Recovery tank capacity of at least that given as "RECOVERY TANK" in the Requirements Summary Table complete with a vacuum shut off control when the recovery tank is at maximum capacity; and
- (e) **Cleaning Solution Recycling System** - A cleaning solution recycling system. The cleaning solution recycling system **shall** allow reuse of recovered solution.

3.6 **Operator Station** - The operator station **shall** include:

- (a) **Overhead Guard** - A driver's overhead guard with wire mesh or Equivalent mounted to protect operator;
- (b) **Seat** - A padded water-resistant operator's seat and backrest equipped with seat belts; and
- (c) **Mirror(s)** - Rear view mirror(s) positioned providing a full view of both sides for safe reverse operations.

3.7 **Chassis** - The vehicle chassis **shall** be the manufacturer's standard for a vehicle of this type and size.

3.8 **Motors** - Equipment electric motors **shall** be manufacturer's standard and in accordance with applicable standards.

3.9 **Drive Unit** - The vehicle **shall** be equipped with a manufacturer's standard drive unit.

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- 3.10 **Brake System** - The vehicle **shall** be equipped with manufacturer's standard braking system.
- 3.11 **Steering** - The steering system **shall** be the manufacturer's standard.
- 3.12 **Wheels, Rims and Tires** - The wheels, tires and rims **shall** be the manufacturer's standard.
- 3.13 **Controls** - The vehicle controls **shall** the manufacturer's standard including a "dead man" switch, which activates the brakes. It is preferable that the "dead man" switch also turns off vehicle power.
- 3.14 **Instruments** - Instruments **shall** be manufacturer's standard including a numeric read-out hour-meter, which displays accumulated running time up to 9,999 hours.
- 3.15 **Electrical System** - The electrical system **shall**:
- (a) Have a minimum battery capacity as given as "**BATTERY CAPACITY**" in the Requirements Summary Table. Batteries **shall** have a nominal voltage of at least 24 volts;
 - (b) Have battery connectors colour coded to indicate the voltage;
 - (c) Have a CSA approved, fully automatic constant voltage heavy-duty type battery charger capable of charging the forklift batteries from a 550 volt, three phase, 60Hz power source. When requested by DND, chargers with a source voltage of 440V or 220V/3-phase or 220V or 120V/1-phase **shall** be provided; and
 - (d) A back-up alarm system to alert personnel that the vehicle is in back-up mode.
- 3.16 **Lighting** - The vehicle lighting **shall** be the manufacturer's standard. The vehicle lighting **shall** include:
- (a) **Reverse Movement Strobe Light** - A red strobe mounted on the rear of the forklift, which is activated when the vehicle travels in reverse.
- 3.17 **Hydraulic System** - The hydraulic system **shall** be the manufacturer's standard complete with all components required for the operation of the hydraulic equipment specified.
- 3.18 **Lubricants and Hydraulic Fluids** - The vehicle **shall** be
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serviced with the manufacturer's non-proprietary standard lubricants and hydraulic fluids.

3.19 **Paint** - The vehicle **shall** be painted using manufacturer's standard commercial colours. The prime coating **shall** be a high-durability, corrosion-resistant type. The prime coating **shall**^(E) be epoxy type or baked powder coat.

3.20 **Identification** - The following information **shall** be permanently marked in a conspicuous and protected location:

- (a) Manufacturer's name, model and serial number; and
- (b) Manufacturer's Vehicle Identification Number (VIN), where applicable.

4. **Integrated Logistic Support** - The Contractor is required to ensure that spare parts required to properly maintain and repair vehicles are available for purchase for a period of 15 years.

4.1 **Documentation and Support Items** - The Contractor **shall** provide the following documentation and support items.

4.1.1 **Items with Each Vehicle** - The Contractor **shall** provide the following items with each vehicle:

(a) **Vehicle Manuals** - Manuals required for safe operation, maintenance and repair of the vehicle. It is preferred that complete sets of manuals are provided on CD/DVD-ROM (without password(s), special installation requirements or requiring an Internet connection). The Vehicle Manuals **shall** include:

i **Operator's Manuals** - Operator's manuals in a bilingual format or as 2 manuals in a single binder (one English, and one French). An Operator's Manuals in paper format **shall** always be provided with each vehicle;

ii **Parts Manuals** - The Parts Manuals in English (French translation is desirable);

iii **Maintenance (Shop Repair) Manuals** - The Maintenance (Shop Repair) Manual in English (French translation is desirable); and

iv **Sample Manuals** - A set of Sample Manuals, including all of the above manuals. The sample manuals **shall**

be delivered to the Technical Authority 30 working days before delivery of vehicles. Sample manuals will not be returned. The Technical Authority will provide manual approval or comments within 15 days.

- (b) **Warranty Letter** - A paper copy of the completed bilingual Warranty Letter with each vehicle shipped in the approved format. The Contractor **shall** send a copy of the Warranty Letter, in electronic format, to the Technical Authority for each vehicle, at shipment. Designated warranty providers **shall** honor the warranty letter.
- (c) **Initial Parts Kit** - One Initial Parts Kit accompanying each vehicle/ equipment. Each Initial Parts Kit **shall** include a complete set of filters and filter elements from the Original Equipment Manufacturer.

4.1.2 **Documents Provided to Technical Authority** - The Contractor **shall** provide the following documents to the Technical Authority:

- (a) **Data Summary** - A bilingual Data Summary for each make/model/ configuration by completing Technical Authority's template with data and a vehicle picture. The Contractor **shall** provide a Data Summary, preferably before shipment of vehicles;
- (b) **Photographs** - Two (2) digital pictures, one left-front three-quarter view, and one right-rear three-quarter view of each make/model/ configuration. It is preferred that pictures have an uncluttered background. Pictures **shall** have a size of at least 10 Mega pixels; and
- (c) **Preventive Maintenance Replacement Parts Kit List** - A list of parts needed to perform preventive maintenance on a vehicle/equipment. The list **shall** include the parts provided in the Initial Parts Kit and additional items recommended by the Original Equipment Manufacturer for review and acceptance by the Technical Authority. The list **shall** include the following elements:
 - i Part description;
 - ii Original Equipment Manufacturer Part number;
 - iii Suggested quantity; and
 - iv Unit cost.

4.2 **Training** - When indicated in the Requirements Summary Table, the Contractor **shall** perform the following training:

-
- (a) **Familiarization** - At least 1-day (8 hours) familiarization instruction at each destination, for a maximum of 8 personnel, no later than one month after delivery of each vehicle. The instruction **shall** include the detailed operation and normal servicing of the vehicle/equipment and **shall** be split into two - four (4) hour segments for operator familiarization and maintainer familiarization. Familiarization instructions **shall** be available in both official languages for destinations in the province of Quebec or as requested by the Technical Authority. The final dates **shall** be arranged with the Technical Authority. After completion of the familiarization session, the Contractor **shall** have a "PROOF OF FAMILIARIZATION INSTRUCTION" certificate signed by the consignee. The Technical Authority will supply this document in an electronic format, when requested.
5. **Vehicle Delivery Condition** - The vehicle **shall** be delivered to destination in a fully operational condition (serviced and adjusted) and both the interior and exterior **shall** be cleaned. If the vehicle requires assembly at destination, the Contractor **shall** be responsible for all manpower and equipment to perform assembly. The consignee will provide the area required for assembly. For shipment verification, all items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose with the equipment, **shall** be listed on the shipping certificate or to an attached packing note.