

National Defence

National Defence Headquarters Ottawa, Ontario K1A 0K2

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 demourent les mêmes

Comments - Commentaires

RETURN BIDS TO: RETOURNER LES SOUMISSIONS À :

By e-mail to: - Par courriel au: DLP53BidsReceiving.DAAT53Receptiondessoumissions@forces.gc.ca

Attention: - Attention: Kevin Selim

Solicitation Closes - L'invitation prend fin

At - à: 2:00 PM - 14:00

On - le: 18 April 2024 – 18 April 2024

Time Zone - Fuseau Horaire : Eastern Daylight Time (EDT) Heure avancée de l'Est (HAE) Défense nationale

Quartier général de la Défense nationale Ottawa (Ontario) K1A 0K2

Title - Sujet

Swing Mast, Operator-down, Electric Motor Driven Forklift Trucks - Chariots élévateurs à mât pivotant, opérateur-assis, à moteur électrique.

Amendment No. - N° modif.

001

Solicitation No. N° de l'invitation W8476-246817/A

Date of Amendment Date de modification

20 March 2024 – 20 Mars 2024

Address enquiries to: - Adresser toute demande de renseignements à :

Kevin Selin

Telephone No. - N° de telephone E-Mail Address - Courriel

Kevin.selim@forces.gc.ca

Destination

See herein - Voir aux présentes

Instructions: Municipal taxes are not applicable. Unless otherwise specified herein all prices quoted must include all applicable Canadian customs duties, GST/HST, excise taxes and are to be delivered Delivery Duty Paid including all delivery charges to destination(s) as indicated. The amount of the Goods and Services Tax/Harmonized Sales Tax is to be shown as a separate item.

Instructions: Les taxes municipales ne s'appliquent pas. Sauf indication contraire, les prix indiqués doivent comprendre les droits de douane canadiens, la TPS/TVH et la taxe d'accise. Les biens doivent être livrés « rendu droits acquittés », tous frais de livraison compris, à la ou aux destinations indiquées. Le montant de la taxe sur les produits et services/taxe de vente harmonisée doit être indiqué séparément.

Delivery required Livraison exigée Delivery offered Livraison proposée

See herein - Voir aux présentes

Vendor/Firm Name and Address Raison sociale et adresse du fournisseur/de l'entrepreneur

Person authorized to sign on behalf of Vendor/Firm (type or print): | La personne autorisée à signer au nom du fournisseur/de l'entrepreneur (taper ou écrire en caractères d'imprimerie) :

Name - Nom Title - Titre

Signature Date



THIS SOLICITATION AMENDMENT IS RAISED TO:

1. Provide clarification and answers to questions from potential suppliers;

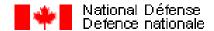
QUESTIONS AND ANSWERS:

Question 1	With reference to Solicitation No. W8476-246817/A for Swing Mast, Operator-down, Electric Motor Driven Forklift Trucks, we have few queries.
	1) Configuration B requests for Cab, could you please help clarify if partially enclosed cab with front and rear laminated glass is what is required or fully enclosed cab with heater and defroster is required.
	Please confirm if the cab requested needs to be fully enclosed cab or partially enclosed cab.
Answer 1	A fully enclosed cab with heater and defroster is required. Pls refer to section 3.6.1 of the revised Purchase Description (PD).

THIS SOLICITATION IS HEREBY AMENDED AS FOLLOWS:

1.1 DELETE from Page 32 of the RFP, Purchase Description" and REPLACE with updated Purchase Description next page.

ALL OTHER TERMS AND CONDITIONS REMAIN THE SAME.





NOTICE

This documentation has been reviewed by the Technical Authority and does not contain controlled goods.

CANADIAN FORCES MATERIAL HANDLING EQUIPMENT

Purchase Description (PD) For Swing Mast, Operator-down, Electric Motor Driven Forklift Trucks

Date: 19 March 2024

OPI: DSVPM 5/DAPVS 5 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

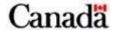


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1. SCOPE

- 1.1. **Scope** - This purchase description covers the requirements for a Swing Mast, Operator-down, Electric Motor Driven forklift truck.
- 1.2. **Instructions** - The following instructions apply to this Purchase Description:
 - a) Requirements, which are identified by the word "must", are mandatory. Deviations will not be permitted;
 - Requirements identified with a "will" define actions to be performed b) by Canada and require no action/obligation on the Contractor's part;
 - c) Where "must", or "will" are not used, the information provided is for quidance only;
 - Requirements identified by "must" or "*Equivalent*" are mandatory. d) The **Technical Authority** will consider substitutes/alternatives for acceptance as a **Technical Authority** approved **equivalent**;
 - Where a standard is specified and the Contractor has offered an e) **Equivalent**, that **equivalent** standard must be supplied by the Contractor, at no cost to Canada, when requested by the Technical Authority;
 - Where technical certification is required, a copy of the certification f) or an *Equivalent* must be provided by the Contractor upon request;
 - Metric measurements must be used to define the requirement. g) Other measurements are for reference only and may not be exact conversions: and
 - h) Dimensions stated as nominal must 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. **<u>Definitions</u>** - The following definitions apply to the interpretation of this Purchase Description:
- 1.3.1. "Provided" must mean "provided and installed"; and
- 1.3.2. "Equivalent" – A standard, means, or component type, which has been accepted by the Technical Authority as meeting the specified requirements for form, function and performance.

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2. <u>APPLICABLE DOCUMENTS</u>

2.1 Other Publications – The following documents form part of this Purchase Description. Websites for the organization are given when available. Unless otherwise specified, effective documents are those in effect on the date of manufacture. Sources are as shown:

2.1.1 **CAN/CSA Standards**

CAN/CSA-B335-04 Safety Standard for Lift Trucks

Canadian Standards Association (CSA) 5060 Spectrum Way, Mississauga, Ontario, L4W 5N6 http://www.scc.ca/en/standardsdb/standards/19235

2.1.2 **UL Standards**

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/

2.1.3 **ANSI Standards**

ANSI/ITSDF B56.1 Standard for Safety for Low Lift and High Lift Trucks

Industrial Truck Standards Development Foundation 1750 K Street NW, Suite 460 Washington DC 20009, USA http://www.itsdf.org/

2.1.4 **Hazardous Product Act**

Ministry of Justice, Government of Canada http://laws-lois.justice.gc.ca

3. **REQUIREMENTS**

3.1. Standard Design

- 3.1.1. The vehicle must 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 one (1) year;
- 3.1.2. The vehicle must have engineering certification available, upon demand, for this application from the original equipment manufacturers (OEM) of major equipment systems and assemblies;
- 3.1.3. The vehicle must conform to all applicable laws, regulations and industrial standards governing manufacture, safety, noise levels and emissions in effect in Canada at the time of manufacture:
- 3.1.4. The vehicle must have systems and components not operating at greater than their ratings published by the systems or components manufacturers; and
- 3.1.5. The vehicle must include all components, equipment and accessories normally supplied for the model offered, although they may not be specifically be described in this Purchase Description.

3.2. Operating Conditions

- 3.2.1. <u>Weather</u> The vehicle/equipment must operate in temperatures ranging from 0 to 40° C (32 to 104° F) in Canada.
- 3.2.2. <u>Terrain</u> The vehicle must operate on used-roughened concrete floors while being used stacking, un-stacking and moving general supplies in warehouses.

3.3. Safety Standards

3.3.1. <u>Vehicle's Stability and Safety</u> – All vehicle design, construction and safety aspects must be in accordance with the latest edition of ANSI B56.1.

3.3.2. "EE" Safety Rating

- a) The vehicle must be manufactured to meet the requirements of an "EE" Rating in accordance with Standard UL 583 or equivalent;
- b) The UL or equivalent certification must be provided to the Technical Authority, upon request; and
- c) An authorized certification mark confirming the vehicle meets the UL or equivalent safety rating must be permanently affixed to the vehicle before delivery.

3.3.3. Hazardous Materials

(a) The contractor must minimize the use of hazardous materials, ozone depleting substances, polychlorinated biphenyls, asbestos and heavy metals used in the fabrication of the product supplied; and

(b) Items considered as hazardous materials must be those given in the Hazardous Products Acts.

3.4. **Performance**

3.4.1. **Vehicle**

- a) The vehicle must be an operator-down type forklift where the operator compartment does not move with the mast movement;
- b) The vehicle must be provided with a swing mechanism that allows the operator to place and remove loads to/from the right side of the aisle only; and
- c) The vehicle must be a non-articulated type.

3.4.2. Forklift Performance

- a) The vehicle must have a load capacity, at a 610 mm (24 inches) load center of at least that given as "LIFT CAPACITY" in the A.1 Data Table of Appendix A;
- b) The vehicle must have a lift height of at least that given as "**LIFT HEIGHT**" in the A.1 Data Table of Appendix A, when measured from the floor to the top of the forks with mast in vertical position;
- c) The load capacity must not de-rate to below specified load capacity before a load lift height of 3,302 mm (130 inches) but must lift a load of at least 907 kg (2000 lbs) to the specified "LIFT HEIGHT" in A.1- Data Table of Appendix A;
- d) The vehicle must have an overall vehicle height and a collapsed mast of no more than that given as "COLLAPSED HEIGHT" in the A.1 Data Table of Appendix A; and
- e) The vehicle must have a free lift height (load backrest removed) of at least that given as "FREE LIFT" in the A.1 Data Table of Appendix A;
- f) The vehicle must be able to handle standard 1,016 mm (40 inches) x 1,220 mm (48 inches) pallets;
- g) The vehicle's entire mast assembly must rotate 90° to the right side of the driver (facing front of the vehicle) for placing and removing pallets; and
- h) The vehicle must have an overall width of not exceeding that given as "**OVERALL WIDTH**" in A.1 Data Table of Appendix A.

3.5. **Equipment**

- a) <u>Mast</u> The vehicle must be provided with a wide, see-through, vertically extendible hydraulic mast;
- b) <u>Forks</u>

- (i) The vehicle must be provided with a forks having a nominal fork length of 1,016 mm (40 inches) or 1,067 mm (42 inches);
- (ii) When requested, forks with a nominal length of 914 mm (36 inches) must be provided.
- c) <u>Backrest</u> The vehicle must be provided with a load backrest having a minimum height of 914 mm (36 inches);
- fork Positioner The vehicle must be provided with a fork positioner to hydraulically increase and decrease the spacing between the forks;
 and

e) Fire Extinguisher

- i. Electric vehicles must be provided with a fire extinguisher having at least 1 kg (2.2 lb) of fire extinguishing chemicals;
- ii. The fire extinguisher must be readily accessible to the operator; and
- iii. The fire extinguisher must not interfere with the operation of the vehicle or the view of the operator

3.6. **Operator Station**

- a) <u>Overhead Guard</u> The vehicle must be provided with a driver's overhead guard with wire mesh or equivalent mounted to protect operator;
- b) <u>Seat</u> The vehicle must be provided with a padded water-resistant operator's seat and backrest equipped with seat belts; and
- c) <u>Mirror(s)</u> The vehicle must be provided with rear view mirror(s) positioned providing a full view of both sides for safe reverse operations.
- 3.6.1. <u>Operator Station Features and Accessories</u> When requested, The following accessories and features *must* be provided:

(a) Cab

- The vehicle *must* be provided with a fully enclosed weatherproof and insulated cab;
- ii. The height from the seat point index to the underside of the cab roof *must* be at least 890 mm (35 inches) in accordance with the recommendation in ANSI B56.1 when measured in accordance with ISO 5353;
- iii. The cab *must* be provided with a heating system with ventilation and defrosting systems capable of keeping windows free from frost and moisture:
- iv. The cab *must* be provided with safety glass in the windows;
- v. It is preferred the glass be tinted to reduce solar heating load;

- The cab *must* be provided with windshield wipers, including vi. a windshield washer for each wiper; and
- vii. The cab *must* offer overhead load visibility during storage and retrieval operations.

Suspension Seat (b)

- The vehicle *must* be provided with a padded full suspension seat and backrest:
- ii. It is preferred that the seat be cloth covered;
- iii The seat *must* be provided with seat belts conforming, as a minimum, to SAE J386; and
- The seat *must* be provided with fore/aft and vertical İν. adjustment without the operator having to move from a seated position.
- 3.7. **Chassis** - The vehicle chassis must be the manufacturers standard for a vehicle of this type and size.
- 3.8. **Motors** - The vehicle must be provided with a standard motor of this type and size.
- 3.9. **<u>Drive Unit</u>** - The vehicle must be provided with a standard drive unit for this type and size of vehicle.
- 3.10. **Brake System -** The vehicle must be equipped with manufacturer's standard braking system conforming to CSA B335-04 or an *Equivalent*.
- 3.11. **Steering** - The vehicle must be provided with a standard steering system conforming to CSA B335 or an Equivalent.
- 3.12. Wheels, Rims and Tires - The vehicle must be provided with commercial standard wheels, tires and rims for this type and size of vehicle that are suitable for both indoor and outdoor use.
- 3.13. **Controls** - The vehicle must be provided with commercial standard joystick control systems for this type and size of vehicle.
- 3.14. **Instruments** – The vehicle must be provided with commercial standard instruments for this type and size of vehicle including an hour-meter which records accumulated running time up to 9,999 hours as well as a battery state-of-charge indicator with lift interrupt.

3.15. **Electrical System**

- The electrical system of the vehicle must have a minimum battery a) capacity of that given as "BATTERY CAPACITY" in the A.1 - Data Table of Appendix A;
- b) Batteries must have a minimum voltage of at least that given as "BATTERY VOLTAGE" in the A.1 - Data Table of Appendix A with battery connectors colour coded to indicate the polarity;

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- c) The battery charger must be capable of charging the forklift batteries from the designated source of a 550 volt, three phase, 60Hz power source;
- d) The vehicle must be provided with a back-up alarm system to alert personnel that the vehicle is in back-up mode;
- e) The vehicle must be provided with an emergency power disconnect located within easy reach of the operator;
- The vehicle must have battery compartment rollers and other features, which allow the rapid changing of the battery with a recharged battery; and
- g) When requested in Feature Table, the vehicle must be provided with battery charger capable of charging the forklift batteries from a 220 volt/three phase and 220 volt/single phase, 60 Hz power sources in lieu of charger specified in section 3.15.1(c) above.

3.16. **Lighting**

- a) Working Lights The vehicle must be provided with lights illuminating the front and rear working areas for operations in dark locations; and
- b) Reverse Movement Strobe Light The vehicle must be provided with a red strobe mounted on the rear of the forklift, which is activated when the vehicle travels in reverse.
- 3.17. <u>Hydraulic System</u> The vehicle must be provided with a hydraulic system that supports the operation of all hydraulic components.
- 3.18. <u>Lubricants and Hydraulic Fluids</u> The vehicle must be serviced with the manufacturer's non-proprietary standard lubricants and hydraulic fluids.
- 3.19. **Paint** The vehicle must be painted using commercial colors having a high-durability, corrosion-resistant type coating.
- 3.20. <u>Identification</u> The vehicle must be provided with an identification plate having manufacturer's name, model and serial number permanently marked in a conspicuous and protected location.

3.21 Instruments, Decals and Data Plates

- 3.21.1 Instruments, decals and data plates provided on the vehicle must be marked in metric units:
- 3.21.2 Instruments, decals and data plates must be marked using international symbols. Where international symbols are not possible, bilingual markings (English and French) must be provided; and
- 3.21.3 Warning and precautionary data plates must be provided in a bilingual format.

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4.0 INTEGRATED LOGISTICS SUPPORT (ILS)

4.1 **Deliverables**

4.1.1 **General Requirements**

- (a) Sample ILS documents must be submitted to the **Technical Authority** (**TA**) prior to the delivery of the vehicle/equipment for each configuration/model and their accessories, for approval. Sample ILS documents will not be returned.
- (b) **Technical Authority** approval, request for additional documentation or request for amendments will be supplied within 15 working days of receipt.
- (c) The Contractor must supply the additional documentation or implement the changes as requested by the *Technical Authority*.

(d) <u>Digital Documents</u>

- i All digital copies must be supplied in searchable PDF format unless stated otherwise.
- ii Digital copies must be functional without the requirement for a password, an auto-run installation procedure or an Internet connection.
- iii Digital copies of manuals must be supplied to the TA by email or etransfer and with the vehicle on a USB Stick.
- iv Digital copies of other ILS documents must be provided by email/etransfer to the TA.
- v USB Stick must be permanently and legibly marked with the equipment description and a list of contents.
- (e) <u>Paper Documents</u>. All paper copies of ILS documents delivered must have the same content as the digital copy approved by the *Technical Authority*.

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4.1.2 **ILS Deliverables**. The following table indicates the ILS elements that the Contractor must deliver, including the medium (paper or digital), the expected means of delivery and the reference paragraph.

Element	Format/ Medium	Delivered to TA by email for approval	Delivered to TA by email or e-transfer for approval	Supplied with each vehicle/ equipment	Remarks	Reference Paragraph
Photograph and Line Drawing Package	Digital	X 30 days before delivery of vehicle	-	-	JPEG	4.2.1
Data Summary	Digital	X 30 days before delivery of vehicle	-	-	Microsoft Word	4.2.2
Warranty Letter	Digital	X 30 days before delivery of vehicle	-	-	PDF	4.2.3
Safety Data Sheets Package	Digital	X 30 days before delivery of vehicle	-	-	PDF	4.2.4
Set of Manuals	Paper Digital	-	30 days before delivery of vehicle	X	PDF - on USB Stick with vehicle*	4.2.5
Set of keys	-	-	-	X	2 sets	4.2.6

One USB Stick should be used for all e-manuals covering a Note: * configuration/model and its accessories.

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4.1.3 **Training deliverables**. The following table indicates the ILS Training elements that the Contractor must deliver, including the expected means of delivery and the reference paragraph.

Element	Format/ Medium	Delivered to TA by email for approval	Remarks	Reference Paragraph
Course Syllabus	Digital	X 30 days before delivery of vehicle	-	4.3.1
Familiarization Training	-	-	Delivery in person, at the location specified in the contract. Approximately 30 days after delivery of equipment, to be coordinated with <i>TA</i> .	4.3.1
Proof of Training Certificate	Digital	X After training delivery is complete	TA will provide template	4.3.1

4.2 **ILS Elements Description**

4.2.1 **Photograph and Line Drawing Package**

- DND requires photographs and line drawings for documentation and (a) cataloguing purposes. The Photograph and Line Drawing Package must include:
 - Two (2) digital colour photographs, one (1) left-front three-quarter view, and one (1) right-rear three-quarter view of each configuration/model;
 - ii One (1) digital colour photograph of each attachment taken at the three-quarter view that best illustrates the attachment; and
 - iii One (1) front-view and one (1) side-view line drawing showing dimensions of the vehicle/equipment. Brochure line drawings are acceptable.

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(b) Photographs must have a plain background and be in a JPEG (Joint Photographic Experts Group) format with a resolution of at least eight (8) Mega pixels.

4.2.2 **Data Summary**

- (a) The **Technical Authority** will supply a bilingual Data Summary Template (in Microsoft Word format) to the Contractor.
- (b) The data summary must:
 - i Use the **Technical Authority** provided bilingual template;
 - ii Be a separate document for each configuration/model;
 - iii Include accessories and features; and
 - iv Be delivered in Microsoft Word format.

4.2.3 Warranty Letter

- (a) The **Technical Authority** will supply a bilingual Warranty Letter Template (in PDF format) to the Contractor.
- (b) The Warranty Letter must:
 - i Use the **Technical Authority** provided bilingual template;
 - ii Contain a complete description of the warranty requested with the warranty terms and conditions;
 - iii Contain the complete warranty details on any system or sub system warranty that exceeds the minimum requested; and
 - iv Contain the name and contact information of the closest designated warranty provider and other designated warranty providers across Canada.

4.2.4 Safety Data Sheets Package

- (a) The Safety Data Sheets Package must include:
 - i A bilingual (or a separate French and an English) list of all hazardous materials used on the vehicle/equipment; and
 - ii A complete bilingual set (or a set in French and a set in English), off all the safety data sheets for all hazardous materials in the list.
- (b) If there are no hazardous materials used, this must be stated on the list.

4.2.5 **Set of Manuals**

- (a) The set of manuals for each configuration/model must include:
 - i The French and English (or bilingual) operator manual(s);
 - ii The French and English (or bilingual) maintenance (shop repair) manual(s); and
 - lii The English or bilingual parts manual(s).

- (b) The set of manuals must include manuals (operator, maintenance (shop repair) and parts) for all major components, all attachments, accessories and features for the configuration/model supplied. Accessory manuals may be included as supplements to the vehicle manuals.
- 4.2.6 **Set of keys**. The Contractor must supply at least two (2) sets of keys with each vehicle/equipment.

4.3 **TRAINING**

(a) <u>Training - Familiarization</u>

- The Contractor must supply a familiarization course, at the delivery destination, optimized for operators and technicians who are qualified on the vehicle type but require training on newer or unique features and sub-systems of the delivered model;
- ii The instructor must be an OEM Factory Certified Training Provider;
- iii The course must be delivered in the official language (English or French) specified in the contract for that delivery destination;
- iv The familiarization course must have a minimum duration of eight (8) hours, divided into four (4) hours for operators and four (4) hours for technicians:
- v The familiarization course must accommodate up to eight (8) personnel; four (4) operators and four (4) technicians;
- vi The date for the familiarization course must be arranged with the *Technical Authority*;
- vii After completion of the familiarization course, the Contractor must have the "PROOF OF FAMILIARIZATION" certificate signed by the senior course attendee; and
- viii The *Technical Authority* will supply the "PROOF OF FAMILIARIZATION" document template in a digital format.

ix Curriculum

- 1. The familiarization course must include operation and maintenance segments;
- 2. The operation segment must include safety precautions to be observed while operating and servicing the vehicle, vehicle operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures;
- 3. The operation segment must include sub-systems including automatic grease system and pre-heaters; and
- 4. The maintenance segment must include diagnostics, trouble shooting and operation of any special tools and test equipment (if any).

(b) <u>Training – Troubleshooting</u>

- The Contractor must supply a troubleshooting course in the official language (English or French) specified in the contract for that delivery destination;
- ii The instructor must be an OEM Factory Certified Training Provider;
- iii The troubleshooting course must include detailed testing, troubleshooting, problem analysis and adjustments training;
- The troubleshooting course must have a minimum duration of twenty-İν four (24) hours but not exceeding eight (8) hours a day;
- The troubleshooting course must accommodate up to eight (8) ٧ maintenance personnel;
- The troubleshooting course must be supplied at the delivery νi destination:
- The date for the troubleshooting course must be arranged with the νii Technical Authority;
- viii After completion of the troubleshooting course, the Contractor must have the "PROOF OF TROUBLESHOOTING TRAINING" certificate signed by the senior course attendee; and
- Technical Authority will supply the "PROOF İΧ TROUBLESHOOTING TRAINING" document template in a digital format.

Curriculum Χ

- 1. The troubleshooting course must include operation and maintenance segments:
- 2. The operation segment must include safety precautions to be observed while operating and servicing the vehicle, vehicle operating characteristics, pre-operating and shutdown procedures and daily/weekly operator servicing procedures;
- The operation segment must include sub-systems including 3. automatic grease system and pre-heaters; and
- 4. The maintenance segment must include diagnostics, trouble shooting and operation of any special tools and test equipment (if any).

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5 **DELIVERY CONDITION**

- The vehicle must be delivered to destination in a fully operational condition (serviced 5.1 and adjusted). The vehicle must be cleaned;
- If the vehicle requires assembly at destination, the Contractor must be responsible 5.2 for all manpower and equipment to perform assemblies;
- 5.3 The space for assembly at destination will be provided, if required; and
- 5.4 All items such as wheel wrenches, jacks, and all other tools, equipment and accessories, which are shipped loose with the equipment, must be listed on the shipping certificate or to an attached packing note.

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APPENDIX A

A1 - Data Table - The following table shows required performance and dimensions by configuration, with a clause reference, that must be provided:

			CONFIGURATION		
CHARACTERISTIC	CLAUSE	UNITS	Α	В	
LIFT CAPACITY	3.4.2(a)	kg	1,814	5,443	
LIFT CAPACITY	3.4.2(a)	lb	4,000	12,000	
LIFT HEIGHT	3.4.2(b)	mm	6,705	6,096	
LII I IILIGIII	3.4.2(b)	in	264	240	
COLLAPSED HEIGHT	3.4.2(d)	mm	3,150	3,200	
COLLAP SED FILIGITI	3.4.2(u)	in	124	126	
FREE LIFT	3.4.2(e)	mm	1,219	1,067	
	3.4.2(e)	in	48	42	
MAST ROTATION	3.4.2(f)	degree	90° to the right	90º to the right	
OVERALL WIDTH	3.4.2(g)	mm	1,321	1,778	
OVERALL WIDTH	3.4.2(g)	in	52	70	
BATTERY CAPACITY	3.15(a)	kWh	30	50	
BATTERY VOLTAGE	3.15(b)	volt	48	72	

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<u>Feature Table</u> – The following table indicates, with "X", for each configuration **A.2** the accessories, attachments and features (with a clause reference) that must be provided when specified in the solicitation:

		CONFIGURATION		
DESCRIPTION	PARAGRAPH	Α	В	
"EE" Safety Rating Feature	3.3.3 (a)	Х	Х	
Cab	3.6.1(a)	-	Х	
Battery Watering System	3.15.1 (e)	Х	Х	
Battery Rollers	3.15.1 (f)	Х	Х	
220 V, 3 Phase Charger	3.15.1 (g)	Х	Х	
Initial Parts Kit	4.1.1 (f)	Х	Х	
Manuals for Approval	4.1.1 (a)	Х	Х	
Operator's Manual	4.1.2 (a)	Х	Х	
Maintenance Manual	4.1.2 (e)	Х	Х	
Parts Manuals	4.1.2 (f)	Х	Х	
Training – Familiarization	4.2 (a)	Х	Х	
Training – Troubleshooting	4.2 (b)	Х	Х	

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