

National Defence

Défense nationale

National Defence Headquarters
Ottawa, Ontario
K1A 0K2

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

REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À :

Attn : Shakir Salman, DLP 8-1-4

shakir.salman@forces.gc.ca

Tel : 613-945-2929

Proposal To: National Defence Canada

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods and services listed herein on any attached sheets at the price(s) set out therefore.

Proposition à : Défense nationale Canada

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens et services énumérés ici et sur toute feuille ci-annexée, au(x) prix indique(s).

Solicitation Closes – L'invitation prend fin

At – à : 1400EDT

On – le : 09-October-2020

Title/Titre: Powered Rope Ascenders System/ systèmes d'ascension par câble motorisés	Solicitation No. - N° de l'invitation W6399-19-KG95/A
Date of Solicitation - Date de l'invitation 14-Sep-2020	
Address enquiries to: - Adresser toute demande de renseignements à : Attention: Shakir Salman, DLP 8-1-4 Shakir.salman@forces.gc.ca	
Destination Richmond, Ontario	

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 propose
Vendor Name and Address – Raison sociale et adresse de fournisseur	
Name and title of person authorised to sign on behalf of vendor (type or print) – Nom et titre de la personne autorisée à signer au nom du fournisseur (caractère d'imprimerie)	
Name/Nom _____	Title/Titre _____
Signature _____	Date _____

Canada 

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PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with the solicitation.

1.2 Statement of Work

The Work to be performed is detailed under Annex "A" of the resulting contract clauses.

1.3 Debriefings

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

1.4 Trade Agreements

The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA).

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the Standard Acquisition Clauses and Conditions Manual (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2020-05-28) Standard Instructions – Goods and Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation, with the following modifications:

- a) Section 02, Procurement Business Number is deleted in its entirety.
- b) Section 20(2), Further Information is deleted in its entirety.
- c) Subsection 2.d. of Section 05, Submission of Bids, is deleted in its entirety and replaced with the following:

Send its bid only to the address specified in the bid solicitation.

- d) Section 06, Late Bids, Is deleted in its entirety;
- e) The text under Section 07, Delayed Bids, is deleted in its entirety and replaced with the following:

It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission. Misrouting or other electronic delivery issues resulting in late submission of bids will not be accepted.
- f) Subsection 1 of Section 08, Transmission by Facsimile and epost connect is deleted in its entirety.

Subsection 5.4 of 2003, Standard Instructions - Goods or Services –Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 120 days

2.2 Electronic Submission of Bids

- a) Bids must be submitted only to the Department of National Defence by the date, time and place indicated on page 1 of the bid solicitation. Bids must be received electronically as noted in subparagraph b).
- b) **Electronic Submissions: Individual e-mails exceeding five (5) megabytes, or that includes other factors such as embedded macros and/or links, may be rejected by the DND e-mail system and/or firewall(s) without notice to the Bidder or Contracting Authority.** Larger bids may be submitted through more than one e-mail. The Contracting Authority will confirm receipt of documents. It is the Bidder's responsibility to ensure that the Contracting Authority has received the entire submission.

Bidders should not assume that all documents have been received unless the Contracting Authority confirms receipt of each document. In order to minimize the potential for technical issues, Bidders are requested to allow sufficient time before the closing time and date to confirm receipt. Technical and financial documents received after the closing time and date will not be accepted.

Due to the nature of the bid solicitation, bids transmitted by facsimile and epost Connect will not be accepted.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than 5 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

2.4 Applicable Laws

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **Ontario**

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that Bidders provide their bid in separately bound sections as follows:

- Section I: Technical Bid (1 Electronic copy)
- Section II: Financial Bid (1 Electronic copy)
- Section III: Certifications (1 Electronic copy)
- Section IV: Additional Information (1 Electronic copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Bidders may use Annex "B" to indicate their prices. If Bidders choose to use Annex "B" to indicate their prices, Bidders must include Annex "B" in their financial bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) format;
- (b) use a numbering system that corresponds to the bid solicitation.

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

Bidders must submit their financial bid as follows:

Bidders must submit firm prices, Delivered Duty Paid (DDP) at **Richmond, Ontario** Incoterms 2010 as indicated in Annex "B" Pricing Schedule, Applicable Taxes excluded. The total amount of Applicable Taxes must be shown separately.

Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Appendix 1 to Part 3 Electronic Payment Instruments, to identify which ones are accepted.

If Appendix 1 to Part 3 Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

Acceptance of Electronic Payment Instruments will not be considered as an evaluation criterion.

3.1.2 Exchange Rate Fluctuation

C3011T (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

The technical evaluation will be carried out as per Annex "C" Technical Evaluation Plan.

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Delivered Duty Paid, **Richmond Ontario**, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.

4.2 Basis of Selection

4.2.1 Basis of Selection – Highest Combined Rating of Technical Merit and Price

1. To be declared responsive, a bid must:
 - a. Comply with all the requirements of the bid solicitation; and
 - b. Meet all mandatory criteria in Stage 1: Initial Evaluation of Annex C and all mandatory technical requirements; and
 - c. Obtain the required minimum of 120 points overall for the User Rating Score which are subject to point rating. The rating is performed on a scale of 162 points; and
 - d. Obtain the required minimum of 60 points overall for the Overall Functionality Score which are subject to point rating. The rating is performed on a scale of 78 points; and
2. Bids not meeting (a) or (b) or (c) or (d) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70% for the technical merit and 30% for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points (Overall Functionality total score + User Rating Total Score) obtained / maximum number of points (Overall Functionality total score + User Rating Total Score) available multiplied by the ratio of 70%.
5. To establish the pricing score, each responsive bid evaluated prices according to Annex "B" Pricing Schedule will be prorated against the lowest evaluated price from Annex "B" Pricing Schedule and the ratio of 30%.
6. For each responsive bid, the technical score (Overall Functionality total score + User Rating Total Score) and the pricing score will be added to determine its combined rating.
7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (70%) and Price (30%)				
		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 70 = 59.63$	$89/135 \times 70 = 46.15$	$92/135 \times 70 = 47.70$
	Pricing Score	$45/55 \times 30 = 24.55$	$45/50 \times 30 = 27.00$	$45/45 \times 30 = 30.00$
Combined Rating		84.18	73.15	77.70
Overall Rating		1st	3rd	2nd

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless otherwise specified, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

5.2.1 Integrity Provisions – Required Documentation

In accordance with the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's website](http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed) (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed Appendix 1 to Part 5 [Federal Contractors Program for Employment Equity - Certification](#), before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed Appendix 1 to Part 5 Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

6.2 Statement of Work

The Contractor must provide the items detailed in Annex "A".

6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

6.3.1 General Conditions

2010A (2020-05-28), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract, with the following modifications:

2010C (2020-05-28), General Conditions - Services (Medium Complexity), apply to and form part of the Contract, with the following modifications:

a. Definition of Minister is modified as follows:

"Canada", "Crown", "Her Majesty" or "the Government" means Her Majesty the Queen in right of Canada as represented by the Minister of National Defence and any other person duly authorized to act on behalf of that minister or, if applicable, an appropriate minister to whom the Minister of National Defence has delegated his or her powers, duties or functions and any other person duly authorized to act on behalf of that minister.

6.4 Term of Contract

6.4.1 Delivery Date

The Powered Rope Ascenders must be received on or before _____. ***to be inserted at contract award based.**

6.4.2 Option to Extend the Contract

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "A" of the Contract under the same conditions and at the prices and/or rates stated in the Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option within 24 and 60 months after contract award by sending a written notice to the Contractor in accordance with Annex "A".

6.4.3 Task Authorization

The Work or a portion of the Work to be performed under the Contract will be on an "as and when requested basis" using a Task Authorization (TA). The Work described in the TA must be in accordance with the scope of the Contract.

6.4.3.1 Task Authorization Process

1. The Technical Authority will provide the Contractor with a description of the task using the DND 626, Task Authorization Form specified in Annex "D".
2. The Task Authorization (TA) will contain the details of the activities to be performed, a description of the deliverables, and a schedule indicating completion dates for the major activities or submission dates for the deliverables. The TA will also include the applicable basis (bases) and methods of payment as specified in the Contract.
3. The Contractor must provide the Technical Authority, within 5 calendar days of its receipt, the proposed total estimated cost for performing the task and a breakdown of that cost, established in accordance with the Basis of Payment specified in the Contract.
4. The Contractor must not commence work until a TA authorized by the Technical Authority and Contracting Authority has been received by the Contractor. The Contractor acknowledges that any work performed before a TA has been received will be done at the Contractor's own risk.
5. Verify that the articles received correspond with the packing slip that accompanies the shipment. Items incorrectly received are to be segregated pending receipt of disposition instructions;
6. Carry out a physical check to ensure that the item is complete and is in accordance with the accompanying delivery documents;
7. Verify receipt to the Contracting Authority including any losses or discrepancies in the shipment and receipt of incorrect items;
8. Open a work order;
9. Action any warranty activities;
10. Conduct post-servicing inspections and tests to confirm performance of the component or system in accordance with Section 0 of Annex "A"; and
11. Return the Powered Rope Ascender System components to DND.

6.4.3.2 Canada's Obligation - Portion of the Work - Task Authorizations

Canada's obligation with respect to the portion of the Work under the Contract that is performed through task authorizations is limited to the total amount of the actual tasks performed by the Contractor.

6.4.3.3 Periodic Usage Reports - Contracts with Task Authorizations

The Contractor must compile and maintain records on its provision of services to the federal government under authorized Task Authorizations issued under the Contract.

The Contractor must provide this data in accordance with the reporting requirements detailed below. If some data is not available, the reason must be indicated. If services are not provided during a given period, the Contractor must still provide a "nil" report.

The data must be submitted on a quarterly to the Contracting Authority.

The quarterly periods are defined as follows:

1st quarter: April 1 to June 30;

2nd quarter: July 1 to September 30;

3rd quarter: October 1 to December 31; and

4th quarter: January 1 to March 31.

The data must be submitted to the Contracting Authority no later than 5 calendar days after the end of the reporting period.

Reporting Requirement- Details

A detailed and current record of all authorized tasks must be kept for each contract with a task authorization process. This record must contain:

For each authorized task:

12. the authorized task number or task revision number(s);
13. a title or a brief description of each authorized task;
14. the total estimated cost specified in the authorized Task Authorization (TA) of each task, exclusive of Applicable Taxes;
15. the total amount, exclusive of Applicable Taxes, expended to date against each authorized task;
16. the start and completion date for each authorized task; and
17. the active status of each authorized task, as applicable.

For all authorized tasks:

18. the amount (exclusive of Applicable Taxes) specified in the contract (as last amended, as applicable) as Canada's total liability to the contractor for all authorized TAs; and
19. the total amount, exclusive of Applicable Taxes, expended to date against all authorized TAs.

6.4.3.4 Task Authorization - Department of National Defence

The administration of the Task Authorization process will be carried out by Technical Authority. This process includes monitoring, controlling and reporting on expenditures of the contract with task authorizations to the Contracting Authority.

6.4.4 Shipping Instructions

Goods must be consigned and delivered to the destination specified in the contract:

1. Incoterms 2010 "DDP Delivered Duty Paid" Richmond, Ontario

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Shakir Salman
Title: Senior Procurement and Contracting Officer
Department of National Defence
Address: 101 Colonel By Drive
Ottawa, Ontario

K1A 0K2

Telephone: 613-945-2929

E-mail address: shakir.salman@forces.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name: _____

Title: _____

Organization: _____

Address: _____

Telephone : _____

Facsimile: _____

E-mail address: _____

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.6 Payment

6.6.1 Basis of Payment for all Work except In Service Support

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract with the exception of In Service Support, the Contractor will be paid firm prices and/or firm unit prices in accordance with the Pricing Schedule at Annex "B", Delivered Duty Paid Richmond, ON, Incoterms 2010. Canadian customs duties and excise taxes included and Applicable Taxes extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work."

6.6.2 Basis of Payment for In Service Support using Task Authorizations

In consideration of the Contractor satisfactorily completing all of its obligations for in service support as described in the authorized Task Authorization (TA), the Contractor will be paid the firm price as specified in the Task Authorization, Delivered Duty Paid Richmond, ON, Incoterms 2010. Canadian customs duties and excise taxes included and Applicable Taxes extra. The firm price will be based on the firm hourly rates and firm unit prices noted in the Pricing Schedule – Annex B.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been authorized, in writing, by the Contracting Authority before their incorporation into the Work

6.6.3 Method of Payment

SACC Manual clause [H1001C \(2008-05-12\)](#) Multiple Payments

6.6.4 SACC Manual Clauses

[B7500C \(2006-06-16\)](#) Excess Goods
[C2000C \(2007-11-30\)](#) Taxes - Foreign-based Contractor
[C0711C \(2008-05-12\)](#) Time Verification

6.6.5 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a. Visa Acquisition Card;
- b. MasterCard Acquisition Card;
- c. Direct Deposit (Domestic and International);
- d. Electronic Data Interchange (EDI);
- e. Wire Transfer (International Only);
- f. Large Value Transfer System (LVTS) (Over \$25M)

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
 - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

6.8 Certifications

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in **Ontario**.

6.10 Priority of Documents

If there is a discrepancy between the wordings of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions [2010A](#) (2020-05-28) and general conditions [2010C](#) (2020-05-28);
- (c) Annex "A", Statement of Work including its Appendices;
- (d) Annex "B", Pricing Schedule;
- (e) Annex "C" DND 626 Task Authorization Form; and
- (f) the Contractor's bid dated _____,

6.11 Defence Contract

SACC Manual clause [A9006C](#) (2012-07-16) Defence Contract

6.12 Foreign Nationals (Canadian Contractor OR Foreign Contractor)

SACC Manual clause [A2000C](#) (2006-06-16) Foreign Nationals (Canadian Contractor) OR
SACC Manual clause [A2001C](#) (2006-06-16) Foreign Nationals (Foreign Contractor)

6.13 Packaging Requirement

The Contractor must prepare items for delivery in accordance with the latest issue of the Canadian Forces Packaging Specification *D-LM-008-036/SF-000*, DND Minimum Requirements for Manufacturer's Standard Pack.

The Contractor must package item number(s) 1 in quantities of 1 by package.

SACC Manual clause [D2000C](#) (2007-11-30), Markings

SACC Manual clause [D2001C](#) (2007-11-30), Labelling

SACC Manual clause [D2025C](#) (2017-08-17), Wood Packing Materials

6.14 Quality Assurance

SACC Manual clause [D5545C](#) (2019-05-30), ISO 9001:2008 – Quality Management Systems
Requirement (Quality Assurance Code C)

ANNEX "A" STATEMENT OF WORK

1.1 Purpose

The purpose of the statement of work is to define the scope and requirements that apply to the provision of and support Powered Rope Ascender Systems to the Department of National Defence (DND).

1.2 Background

DND has a requirement for powered rope ascenders to support training and operations in the Maritime environment.

1.3 Applicable Documents

The following documents form part of this statement of work and are supportive of this statement of work when referenced; any other documents are to be considered supplemental information only. In the event of a conflict between the documents and the contents of this statement of work, then the contents of this statement of work will take precedence.

- MIL-HDBK-61B Configuration Management Guidance (www.everyspec.com)

1.4 Definitions

Repair	The identification and correction of those specific effects, which degrade the performance of an item, causing it to function below the specifications.
Serviceable Condition	The condition of an item which allows it to be used, shipped or held in stores without being subjected to any limitations (not applicable to new equipment).
Level One Repair/Maintenance	Tasks that include operator actions and preventive maintenance as defined by the manufacturer.
Level Two Repair/Maintenance	Tasks that include maintainer actions (e.g. , parts replacement) as defined by the manufacturer.
OEM Level Repair	Any tasks required to bring an item to full serviceable condition. OEM repair will typically involve replacement/repair of internal components that is beyond that performed at Level Two Repair/Maintenance.
Turn-Around Time	The time from when a non-serviceable item arrives at the Contractor repair facility to when the repaired item departs the repair facility on route to its destination.

1.5 Acronyms

AWR	Additional Work Request
DND	Department of National Defence
ISO	International Standards Organization
ISS	In-Service Support

NATO	North Atlantic Treaties Organization
NCAGE	NATO Commercial and Government Entity
OEM	Original Equipment Manufacturer
CA	Contracting Authority
RMA	Return Material Authorization
TA	Technical Authority
TAT	Turn Around Time

2.0 DELIVERABLES

The Contractor must deliver the following:

- (a) Quantity thirty (30) Powered Rope Ascender Systems in accordance with the Operational Performance and Technical Requirements at Appendix 1 to Annex A, including the following accessories with each ;
 - 1. Wireless, battery operated remote control;
 - 2. A small, waterproof, English-language abridged operating and user-maintenance instruction card;
 - 3. Spare battery;
 - 4. A charging system as follows:
 - i. Compatible with 120 V 60 Hz power supplies; and
 - ii. Include operating instructions manual or quick reference guide;
 - 5. A rigid transport and storage case as follows:
 - i. Capable of carrying the Powered Rope Ascender System and all accessories;
 - ii. Have carrying handles; and
 - iii. Have an external color in black.
- (b) Operator and Maintenance Manuals in accordance with Section 2.1;
- (c) A Manufacturer's Recommended Spare Parts List to support the Powered Rope Ascender Systems (in electronic format, either MS Word or MS Excel) including the following for each item:
 - i. Item Name and Description;
 - ii. NCage;
 - iii. Manufacturer Part Number (MPN);
 - iv. NATO Stock Number (if available);
 - v. Price (for a period of five (5) years);
 - vi. Volume;
 - vii. Weight; and
 - viii. Shelf Life (if applicable);
- (d) A Manufacturer's recommended list of Special Tools and Test Equipment (STTE) required to maintain the Powered Rope Ascender Systems (in electronic format, either MS Word or MS Excel) including the following information for each item:
 - i. Item Name and Description;
 - ii. NCage;
 - iii. Manufacturer Part Number (MPN);
 - iv. NATO stock number (if available);

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- v. Price (for a period of five (5) years);
 - vi. Volume; and
 - vii. Weight;
- (e) A list of optional equipment (e.g., transport bags/cases, batteries, chargers, etc.) available for the Powered Rope Ascender Systems (in electronic format, either MS Word or MS Excel) including the following information for each item:
- i. Item Name and Description;
 - ii. NCage;
 - iii. Manufacturer Part Number (MPN);
 - iv. NATO stock number (if available);
 - v. Price (for a period of five (5) years);
 - vi. Volume;
 - vii. Weight; and
 - viii. Shelf Life (if applicable);
- (f) In-service support for a period of five (5) years in accordance with Section 0.

2.1 Operator and Maintenance Manuals

The Contractor must provide:

- (a) One (1) hard copy and one (1) electronic copy (MS Word or PDF format) of the Operators Manual, in English, with each Powered Rope Ascender System. The manual must contain a physical and functional description of the Powered Rope Ascender System and all incorporated equipment and fittings plus the following:
- i. Instructions on care, cleaning and routine maintenance;
 - ii. Usage instructions;
 - iii. Preparations prior to a submerged transit;
 - iv. Safety warnings and emergency procedures;
 - v. Troubleshooting procedures; and
 - vi. Storage instructions;
- (b) One (1) hard copy and one (1) electronic copy (MS Word or PDF format) of the Maintenance Manual, in English, to the DND Technical Authority prior to the delivery of the first Powered Rope Ascender System. The manual must include:
- i. A detailed description and illustrated parts list in a top-down breakdown format including the following for each item:
 - a. Item Name and Description;
 - b. NCage;
 - c. Manufacturer Part Number (MPN);
 - d. NATO Stock Number (if available); and
 - e. Shelf Life (if applicable);
 - ii. List of replaceable components (including part numbers where applicable); and
 - iii. The procedures, parts and special tools necessary to conduct all Level One and Two Repair/Maintenance (as defined by the OEM) including re-certification testing of the Powered Rope Ascender System in accordance with Section 0.

The operator and maintenance manuals can be delivered as separate manuals or as a single manual.

2.2 Optional Quantities

- (a) Optional quantities within twenty-four (24) months of Contract Award as follows:
- i. Up to thirty (30) Powered Rope Ascender Systems in accordance with the Operational Performance and Technical Requirements at Appendix 1 to Annex A;

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- ii. A certificate of testing for each Powered Rope Ascender System in accordance with Section 0; and
 - iii. An Operator Manual with each Powered Rope Ascender System in accordance with Section **Error! Reference source not found.1**;
- (b) Optional quantities within sixty (60) months of Contract Award on an as-requested basis:
- i. Training in accordance with Section 2.3;
 - ii. Spare parts from the Manufacturer's Recommended Spare Parts List at Section 0(c);
 - iii. Special Tools and Test Equipment from the Manufacturer's recommended list of Special Tools and Test Equipment provided at Section 0(d); and
 - iv. Optional equipment from the list provided at Section 0(e).

2.3 Optional Training

The Contractor grants to Canada the irrevocable options to acquire the services herein at the prices stated in the Contract. The options may only be exercised by the Contracting Authority. Should an option for training be exercised, the Contractor must provide training by a qualified instructor, in English, as follows:

- (a) A two (2) day (maximum) Course that covers the following (as a minimum) for the Powered Rope Ascender System:
- i. A physical and functional description of the Powered Rope Ascender System;
 - ii. Preparations and usage instructions;
 - iii. Instructions on care, cleaning and Level One Repair/Maintenance;
 - iv. Safety warnings and emergency procedures;
 - v. Storage instructions;
 - vi. Break-down and rebuild of equipment;
 - vii. Level Two Repair/Maintenance;
 - viii. Procedures, parts and special tools required to conduct repairs;
 - ix. Hands-on repair and replacement of all user-replaceable components; and
 - x. Hands-on training including both on-land and in-water usage;
- (b) Training Courses as follows:
- i. Training for up to twelve (12) DND personnel;
 - ii. Location of training to be at Contractor facility or a DND location within Canada; and
 - iii. For each course, each candidate is to be provided with a copy of the respective training course materials and manuals (as required) in both hard copy and in electronic format (MS Word, MS PowerPoint or PDF).
 - iv. DND will provide the Powered Rope Ascender(s) required for the training.

2.4 Kick-Off Meeting

The Contractor must hold a contract kickoff meeting at its production facility or by teleconference, as arranged with Contracting Authority, within four to six (4-6) weeks of contract award. This meeting will be used to introduce the DND project team and to discuss production timelines, QA processes, and delivery options and locations. The Contractor is responsible for the recording and distribution of the minutes for the Kickoff Meeting. The minutes must be distributed to all participants within ten (10) calendar days of the meeting. The minutes must be used only as a record of proceedings.

DND will be responsible for all travel and associated costs for DND personnel attending the meeting. The kickoff meeting may be waived at DND's discretion.

3.0 REQUIREMENTS

3.1 Testing

The Contractor must make available (upon request) for the Crown's review, all previous and current test reports performed by the OEM or a third party concerning the performance, reliability, maintainability, availability, environmental conditions, and safety of the Powered Rope Ascender System. Prior to delivery to DND (initial delivery and following repair), each Powered Rope Ascender must be tested as follows.

- (a) Each Powered Rope Ascender must be tested for compliance with the requirements of Appendix 1 to Annex A according to the Contractor production standards. A record of the completed tests addressing qualification of each unit must be captured in a test report that is to be delivered with each unit to DND. No redesign or modification of the Contractor's product verified in Factory Qualification Tests is acceptable. This performance testing must encompass all operational capabilities and noncompliance with any specified requirements or the presence of one or more defects.

3.2 Configuration Control

The Contractor will have an established, DND verifiable, Configuration Management (CM) Program with control systems in place in accordance with MIL-HDBK-61A (or equivalent), and will provide configuration identification, control and status accounting of all new and modified hardware, software and documentation. All Powered Rope Ascender System components delivered must have the same product baseline and support interchangeability and interoperability of parts. The established product baseline must be maintained during repair and any deviation from the baseline must be approved in advance by the Technical Authority.

3.3 In-Service Support

The in-service support requirements for the Powered Rope Ascender System include the following:

- (a) Additional Work Request (AWR) services in accordance with Section 0 including:
 - i. Non-warranty repair; and
 - ii. Upgrade of a component or other portion of the system to retain/improve functionality;

3.3.1 Additional Work Request (AWR)

All Powered Rope Ascender Systems components returned to the Contractor for repair must have a Task Authorization number assigned by the Contractor prior to the item being shipped from DND. The Contractor must perform OEM level repair on the Powered Rope Ascender System components to original performance parameters such that performance testing requirements will be met. All AWR repairs on Powered Rope Ascender System components must be authorized in advance by the Contracting Authority (in writing) in accordance with Contract Paragraph **6.4.3.1 Task Authorization (1.4.3.1 Task Authorization, at contract award)**.

3.3.1.1 Repair to Product Baseline

Following repair, the Contractor must ensure all Powered Rope Ascender Systems are in accordance with the current (at time of repair) approved Product Baseline for the Powered Rope Ascender Systems prior to being returned to DND.

3.3.1.2 Turn-Around Time

The targeted turn-around time (TAT) is eight (8) weeks after receipt of the delivery order (warranty) or Contracting Authority approval (AWR). Where this target cannot be met, the Contractor must immediately notify the Contracting Authority of the delay and of any extenuating circumstances that would cause significant impediment to timely completion of the repair.

3.3.1.3 Substitution of Parts

In the event that an original part is no longer available and the Contractor determines that a replacement part will serve with respect to fit, form, function and reasonable cost, then the use of that part must be approved by the Contracting Authority in advance of the repair. As a minimum, substituted parts must remain fully interchangeable (fit, form and function) with articles catalogued under the same reference number, part number and of the same modification status.

3.3.1.4 Time-Expiring Parts

During repairs, any parts with time expiry dates within four (4) months of the date that the equipment is to be returned to DND must be replaced as follows:

- (c) If the Powered Rope Ascender Systems is undergoing warranty repair, the Contractor must send a request, in writing, to the Contracting Authority for authorization to change the necessary time-expiring part(s); or
- (d) If the Powered Rope Ascender Systems is undergoing AWR repair, the Contractor must include the replacement of the time-expiring parts on the cost estimate.

3.3.2 Technical Support

The Contractor must provide technical support by phone and email, Monday-Friday (holidays excluded) during the hours 0800-1600 EST, to the Technical Authority during the period of the contract.

Appendix 1 to Annex A - OPERATIONAL PERFORMANCE AND TECHNICAL REQUIREMENTS

1.0 SCOPE

1.1 General

This specification outlines the requirements for the Powered Rope Ascender System. All requirements are mandatory.

1.2 Applicable Documents

The following documents form part of this specification and are supportive of this specification when referenced; any other documents are to be considered supplemental information only. In the event of a conflict between the documents and the contents of this specification, then the contents of this specification will take precedence.

- DCIEM Report 98-CR-15 Anthropometric Survey of the Land Forces (copy available upon request)
- MIL-STD-810F - Department of Defense Test Method Standard for Environmental Engineering Considerations and Laboratory Tests (
- NAVSEA 9310 - U.S. Navy Lithium Battery Safety Program
- IMCA 015 - International Marine Contractors Association Code of Practice for The Safe Use of Electricity Under Water;

1.3 Definitions

Vessel-of-Interest	A vessel that has been deemed by a nation to be of high interest as that vessel may pose a security risk to the nation.
5th Percentile Male	Defined as 165.2 cm (5 ft 5 in) and 62.35 kg (137.17 lb) in accordance with DCIEM Report 98-CR-15
95th Percentile Male	Defined as 186.2 cm (6 ft 1.3 in) and 103.35 kg (227.37 lb) in accordance with DCIEM Report 98-CR-15

1.4 Acronyms

DCIEM Defence and Civil Institute for Environmental Medicine

DND Department of National Defence

2.0 REQUIREMENTS

2.1 Operational Performance Requirements

The Powered Rope Ascender System must:

- (a) Be a battery-operated purpose-designed system specifically for the following:
 - i. Ascending/descending a rope carrying a load (e.g., person, equipment, etc.) of no less than 150 kg (330 lbs) without reverse slippage;
 - ii. Used in a stationary position at the top of the lift to haul up/lower a load (e.g., person, equipment, etc.) of no less than 150 kg (330 lbs) attached to a rope without reverse slippage; and
 - iii. Controlled either by the unit mounted controls or by remote control;

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- (b) Operate safely underwater in accordance with IMCA 015;
 - (c) Be a self-contained, self-powered, water proof system that does not require any external connections for operation other than attachment to a rope;
 - (d) Permit operation in the following environments:
 - i. Boarding a Vessel-of-Interest (VOI) or elevated maritime platform from a small craft (e.g., Rigid Hull Inflatable Boat);
 - ii. Boarding a VOI or elevated maritime platform from the water following a submerged transit;
 - iii. Accessing multi-story structures from the interior/exterior and from above/below; and
 - iv. Accessing confined spaces;
 - (e) Be designed to permit transport and operation by a single trained individual from the 5th Percentile male up to a 95th Percentile male;
 - (f) Operate in the following environmental conditions in accordance with MIL-STD-810F:
 - i. Temperature: -20°C to +45°C;
 - ii. Water conditions: Both salt and fresh water;
 - iii. Arid environment including exposure to sand;
 - iv. Humidity: Up to 100%; and
 - v. Subsequent to complete submersion in salt or fresh water to a depth of 10 m (32.8 ft) for a period of no less than three (3) hours;
 - (g) Have the ability to add flotation aides to be neutrally buoyant;
 - (h) Operate in accordance with the Operational Performance Requirements following:
 - i. A 1 m (3.3 ft) drop on to a hard surface when housed within the transport case; and
 - ii. A 0.5 m (1.6 ft) drop on to a hard surface when assembled for use and unprotected;
 - (i) Be vibration resistant and transportable in an operational condition by aircraft, land vehicle and sea (ship and small craft);
 - (j) Have safety provisions as follows:
 - i. Have an arrest and hold function in the event of electrical or mechanical failure;
 - ii. Have an emergency unpowered descent function in the case of electrical or mechanical failure that is controlled by the operator as follows:
 - a. Clutch release positioned for operation by one hand;
 - b. Requires continuous hold for operation with no automatic free wheel; and
 - c. Permits a maximum descent rate of no more than 3.0 m/sec (9.84 ft/sec);
 - iii. Constructed with no sharp edges or hazards to bare hand operation or assembly; and
 - iv. Free of any gaps or protrusions which may catch equipment, fingers and clothes;
 - (k) Be manufactured from materials as follows:
 - i. Corrosion resistant suitable for use in a salt water environment;
 - ii. Materials exposed to sunlight are resistant to degradation caused by ultraviolet radiation; and
 - iii. Dissimilar metals are insulated from each other;

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- (l) Have an outer finish including all fasteners and controls that incorporates subdued low visibility colors, and non-illuminated safety and switch operation markings (i.e., no florescent or other type of glow markings are acceptable);
 - (m) Include a ruggedized black-out cover for indicator lights that completely blocks all light emissions when in place; and
 - (n) Have a designed life of no less than three (3) years when used in accordance with the manufacturer's recommended operating procedures.

2.2 Technical Requirements

The technical requirements for the Powered Rope Ascender System are detailed in the following sections.

2.2.1 General Requirements

The Powered Rope Ascender System must:

- (a) Consist of the following components:
 - i. Housing;
 - ii. Rope Capture Assembly;
 - iii. Battery Assembly; and
 - iv. Control System;
- (b) Have a size (Length x Width x Depth) including all components as follows:
 - i. Occupy a volume of no more than 19,992 cubic-centimeters (1220 cubic inches); and
 - ii. No single dimension to exceed 38.1 cm (15 in);
- (c) Have a weight including all components of not more than 11 kg (24.2 lbs).

2.2.2 Housing

The Powered Rope Ascender System Housing must:

- (d) Contain the electric motor and transmission assembly;
- (e) Have an attached data plate that includes the following information (as a minimum):
 - i. Make;
 - ii. Model;
 - iii. Revision/Series;
 - iv. Serial Number; and
 - v. Date of Manufacture;
- (f) Include data plates to provide warnings or precautionary operating instructions that would be visible only to the operator in black-out conditions.

2.2.3 Rope Capture Assembly

The Powered Rope Ascender System Rope Capture Assembly must:

- (g) Permit ascent/descent without reverse slippage on wet and dry ropes of 6.5 - 9 mm (0625 - 0.35 in) in diameter; and
- (h) Include a clip in hard point to permit 2:1 mechanical advantage and retrievable rappel.

2.2.4 Battery Assembly

The Powered Rope Ascender System Battery Assembly must:

- (a) Comply with NAVSEA 9310;
- (b) Comply with IMCA 015;
- (c) Permit ascent of no less than 200 m (656.1 ft) with a load of 120 kg (264 lbs) on a single full charge;
- (d) Operate safely and be removable/replaceable underwater;
- (e) Have a low battery indicator that illuminates when there is 15% of battery capacity remaining, and a visible warning when the battery is failing;
- (f) In case of battery damage during use, not affect the operation of the Powered Rope Ascender System, and return the Powered Rope Ascender System to full functionality once the battery is replaced;
- (g) Not present a hazard to operators or other personnel due to exposure to harmful or toxic material in case of casing puncture; and
- (h) Retain full charge performance for no less than six (6) months without connection to a charger, and recover full charge performance (i.e., no memory) when connected to a charger subsequent to six (6) months without being charged.

2.2.5 Control System

The Powered Rope Ascender System Control System must:

- (a) Provide continuous hands on operation by direct control (i.e., no hands free operation) including the following command functions:
 - i. Power on/off;
 - ii. Ascend and Descend with rate selection not to exceed 1.0 m/s (3.3 ft/s); and
 - iii. Hold;
- (b) Permit remote control from a hand-held wireless remote with the same command functions that can be over-ridden by the on-board operator;
- (c) Respond to all commands in less than 250 milliseconds;
- (d) Include controls that are arranged/located to prevent inadvertent activation;
- (e) Have an on-board operating system as follows:
 - i. Includes a power up Built in Test (BIT) to notify the operator that full functionality is available;

- ii. Includes a continuous BIT function to monitor performance during operation and to notify the operator of any malfunction condition; and
- iii. Recover from any unspecified fault condition without requiring cycling of the power Off/On.

ANNEX "B" Pricing Schedule

This Annex will be Annex B in the final Contract in support of the Basis of Payment using the prices and rates provided by the Bidder in this Annex and any prices provided by the Bidders in the documentation requested in Annex A para 2.0 (c), (d) & (e).

Prices provided in the RSPL – Annex A para 2.0(c) - will be used as the price of the parts for the task Authorization process for in-Service Support in conjunction with the labour rates provided in this Annex.

The Firm Hourly rates noted in Table 2 must be a fully loaded rate that includes the direct labour hourly wage, benefits and all overheads. In addition, this rate must include all shop parts and accessories (gaskets, washers, nuts, greases, oils, etc.) that have not been included in the RSPL noted in the SOW – Annex A para 2(c). Finally, this rate must include an overhead for transportation charges for items that were subject to Additional Work Request (AWR) to be returned to DND by the Contractor as noted in the Basis of Payment. For clarity, no additional transportation charges will be paid to the Contractor by DND for any Additional Work Request (AWR) returned to the DDP address as noted in the Basis of Payment.

Kick-Off meeting – If there is a requirement to travel to the Kick-off meeting, all travel and living expenses will be reimbursed based on the Treasury Board of Canada Guidelines noted at para 6.6

Instructions

Bidders are required to provide a price for each line item indicated. If a price is left blank it will be interpreted as an offered price of \$0.00. If a price of an item is included in another item, this should be indicated by noting "Price of this item is included in item xx. (Insert item number)" If there is not an applicable Price for an item, this should be indicated as "N/A". The prices must be indicated in compliance with the Basis of Payment at para 6.6

With the exception of the quantities for the initial procurement, the estimates of levels of effort and quantities for optional procurements are only estimations made in good faith and are not to be considered in any way as commitment from Canada.

For Table 6 – Recommended Spare Parts, Table 7 Special Tools and Test Equipment and Table 8 Optional Equipment, the evaluation of price for each of these Tables will be based on 2 conditions in order to establish a prudent and fair method of evaluation.

The conditions for evaluation of price for each of the Tables 6, 7 & 8 will be that any item from any Bidder that exceeds \$50.00 Cdn will be assessed and all Bidders will have an equal number of items assessed for each of tables 6, 7, & 8 commencing with the most expensive item based on firm unit price to the least most expensive item based on firm unit price.

Bidders have been requested to provide the RSPL, STTE and Optional Equipment in the SOW – Annex A paragraphs 2.0 (c), (d), (e) and (f) respectively. Bidders will be requested to provide the RSPL, STTE and Optional Equipment list commencing from the most expensive firm unit price for an item to the least expensive firm unit price for an item.

For each of the RSPL, STTE and Optional Equipment provided by each of the Bidders, firm unit prices will be entered into the respective tables 6, 7 and 8 for each Bidder commencing with the most expensive firm unit price to the least expensive firm unit price until the two conditions noted above have been met.

Should any list provided by any Bidder not have a sufficient number items to allow an equal number of items to be assessed based on the number of items that exceed \$50.00 Cdn for any of the tables 6, 7 & 8, the total number of items to be assessed will be limited to the total number of

items on the list of the Bidder that did not have a sufficient number of items to allow an equal number of items to be assessed based on the number of items that exceed \$50.00 Cdn for any of the tables 6, 7 & 8.

A. Initial Procurement

i. Table 1 - Powered Rope Ascenders

SOW Reference	Description	Unit Price (A)	Quantity (B)	Extended Price (C) = (A) * (B)
Para 2.0 (a)	Powered Rope Ascender	\$	30	\$
Para 2.0 (a) 1.	Wireless Battery operated remote	\$	30	\$
Para 2.0 (a) 2.	Instruction card	\$	30	\$
Para 2.0 (a) 3.	Spare battery	\$	30	\$
Para 2.0 (a) 4.	Charging System	\$	30	\$
Para 2.0 (a) 5.	Case – Transport/Carry	\$	30	\$
Para 3.1 (a)	Certificate of testing	\$	30	\$
Para 2.0 (b)	Manuals – Operator and Maintainer	\$	30	\$
Para 2.0 (c)	Recommended Spare Parts List	\$	1	\$
Para 2.0 (d)	Special Tools and Test Equipment List	\$	1	\$
Para 2.0 (e)	Optional Equipment List	\$	1	\$
			Subtotal	Sum of all Extended Prices in Table 1
			Applicable Taxes	Total of Applicable Taxes for all items in Table 1

ii. Table 2 - In-service Support

SOW Reference	Description	Firm Hourly Rate (A)	Estimated Hours (B)	Extended Total in CAD\$ (C) = (A) * (B)
Para 3.3 (a) i	In-Service Support Labour – Year 1	\$	60	\$
Para 3.3 (a) i	In-Service Support Labour – Year 2	\$	60	\$
Para 3.3 (a) i	In-Service Support Labour – Year 3	\$	60	\$
Para 3.3 (a) i	In-Service Support Labour – Year 4	\$	60	\$
Para 3.3 (a) i	In-Service Support Labour – Year 5	\$	60	\$
			Subtotal	Sum of all Extended Totals in Table 2
			Applicable Taxes	Total of Applicable Taxes for all items in Table 2

iii. Table 3- In-service Support from SOW Para 2.0 (f)

SOW Reference	Description	Firm Rate (A)
Para 3.3.2	Technical Support - Year 1	\$

Para 3.3.2	Technical Support –Year 2	\$
Para 3.3.2	Technical Support –Year 3	\$
Para 3.3.2	Technical Support – Year 4	\$
Para 3.3.2	Technical Support –Year 5	\$
	Subtotal	Technical Support – Year 1 only
	Applicable Taxes	Total of Applicable Taxes for Technical Support for all in which a firm price was provided

B. Optional Procurement

iv. **Table 4 - Powered Rope Ascenders**

SOW Reference	Description	Unit Price (A)	Quantity (B)	Extended Price (C) = (A) * (B)
Para 2.2 (a) i	Powered Rope Ascender	\$	30	\$
Para 2.0 (a) ii	Certificate of testing	\$	30	\$
Para 2.0 (a) iii	Manuals – Operator only	\$	30	\$
			Subtotal	Sum of all Extended Prices in Table 4
			Applicable Taxes	Total of Applicable Taxes for all items in Table 4

v. **Table 5 – Training**

SOW Reference	Description	Unit Price (A)	Quantity (B)	Extended Price (C) = (A) * (B)
Para 2.3 (a)	Training	\$	1	\$
Para 2.3 (b) iii	Course Materials	\$	12	\$
Para 2.3 (b) iii	Manuals	\$	12	\$
			Subtotal	Sum of all Extended Prices in Table 5
			Applicable Taxes	Total of Applicable Taxes for all items in Table 5

vi. **Table 6 – Spare Parts**

SOW Reference	Description	Unit Price (A)	Quantity (B)	Extended Price (C) = (A) * (B)
Para 2.2 (b) ii	Spare Part 1	\$	30	\$
Para 2.2 (b) ii	Spare Part 2	\$	30	\$
Para 2.2 (b) ii	Spare Part 3	\$	30	\$
Para 2.2 (b) ii	Spare Part 4	\$	30	\$
Para 2.2 (b) ii	Spare Part 5	\$	30	\$

Para 2.2 (b) ii	Spare Part 6	\$	30	\$
Para 2.2 (b) ii	Spare Part 7	\$	30	\$
Para 2.2 (b) ii	Spare Part 8	\$	30	\$
Para 2.2 (b) ii	Spare Part 9	\$	30	\$
Para 2.2 (b) ii	Spare Part 10	\$	30	\$
Subtotal				Sum of all Extended Prices in Table 6
Applicable Taxes				Total of Applicable Taxes for all items in Table 6

vii. **Table 7 – Special Tools and test Equipment**

SOW Reference	Description	Unit Price (A)	Quantity (B)	Extended Price (C) = (A) * (B)
Para 2.2 (b) iii	STTE 1	\$	30	\$
Para 2.2 (b) iii	STTE 2	\$	30	\$
Para 2.2 (b) iii	STTE 3	\$	30	\$
Para 2.2 (b) iii	STTE 4	\$	30	\$
Para 2.2 (b) iii	STTE 5	\$	30	\$
Para 2.2 (b) iii	STTE 6	\$	30	\$
Para 2.2 (b) iii	STTE 7	\$	30	\$
Para 2.2 (b) iii	STTE 8	\$	30	\$
Para 2.2 (b) iii	STTE 9	\$	30	\$
Para 2.2 (b) iii	STTE 10	\$	30	\$
Subtotal				Sum of all Extended Prices in Table 7
Applicable Taxes				Total of Applicable Taxes for all items in Table 7

viii. **Table 8 – Optional Equipment**

SOW Reference	Description	Unit Price (A)	Quantity (B)	Extended Price (C) = (A) * (B)
Para 2.2 (b) iv	Optional Equipment 1	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 2	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 3	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 4	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 5	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 6	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 7	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 8	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 9	\$	30	\$
Para 2.2 (b) iv	Optional Equipment 10	\$	30	\$
Subtotal				Sum of all Extended Prices in Table 8

	Applicable Taxes	Total of Applicable Taxes for all items in Table 8
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ix. Table 9– Kick-Off meeting

SOW Reference	Description	Unit Price (A)	Quantity (B)	Extended Price (C) = (A) * (B)
Para 2.4	Kick-Off Meeting including the price of meeting minutes production, distribution and updating, if required.	\$	1	\$
		Subtotal		Sum of all Extended Prices in Table 9
		Applicable Taxes		Total of Applicable Taxes for all items in Table 9

C. Overall Evaluated price:

Item#	Description	Price in CAD
1	Subtotal of Table 1	\$ CAD
2	Subtotal of Table 2	\$ CAD
3	Subtotal of Table 3	\$ CAD
4	Subtotal of Table 4	\$ CAD
5	Subtotal of Table 5	\$ CAD
6	Subtotal of Table 6	
7	Subtotal of Table 7	
8	Subtotal of Table 8	
9	Subtotal of Table 9	
	Total Evaluated Price = subtotal of Tables 1 – 9	
		\$

APPENDIX 1 to PART 3 OF THE BID SOLICITATION ELECTRONIC PAYMENT INSTRUMENTS

The Bidder accepts to be paid by any of the following Electronic Payment Instrument(s):

- VISA Acquisition Card;
- MasterCard Acquisition Card;
- Direct Deposit (Domestic and International);
- Electronic Data Interchange (EDI);
- Wire Transfer (International Only);
- Large Value Transfer System (LVTS) (Over \$25M)

ANNEX "C" TECHNICAL EVALUATION PLAN

1.0 GENERAL

1.1 Purpose

This document outlines the bid evaluation process for the Powered Rope Ascender System.

2.0 EVALUATION

2.1 Evaluation Process

The evaluation process will be conducted in stages as detailed in the following sections.

2.1.1 Request for Proposal

The Request-for-Proposal will require a bid package from each Bidder that addresses the Operational Performance and Technical Requirements in Appendix 1 to Annex A. Each Bidder must submit a completed Compliance Matrix (0) including test results confirming various operational parameters for the Powered Rope Ascender System as well as technical data in order to conduct an evaluation of the technical proposal against the Operational Performance and Technical requirements;

2.1.2 Stage I: Initial Evaluation

The initial evaluation will be conducted using the Stage I Bid Requirements and Assessments at 0 to Annex C. An evaluation of the proposal against the Operational Performance and Technical Requirements in Appendix 1 to Annex A will be conducted. The evaluation will be based upon the supplied information only. All mandatory criteria must be met or the bid submission will be deemed non-compliant. Failure to provide all of the information requested in **Error! Reference source not found.** to Annex C for the Powered Rope Ascender System being offered will deem the bid non-compliant for that Powered Rope Ascender System. Only compliant Bidders will proceed to Stage II.

2.1.3 Stage II: Operational Performance Assessments

Compliant Bidders from Stage I will be asked to provide, at no cost to Canada, the following for the Stage II verifications and assessment:

- (a) Quantity one (1) Powered Rope Ascender System in accordance Annex A, para 2.0 and with the Operational Performance and Technical Specifications at Appendix 1 to Annex A ; and
- (b) Quantity one (1) Operator/Maintenance Manual.

The Bidders must provide the above sample within three weeks of being notified by Canada. The sample is to be shipped to **Richmond, Ontario**.

The trials will commence within 30-60 days following completion of the Stage I assessment; therefore, the Powered Rope Ascender System must be provided within thirty (30) days of the Bidder being notified that their Bid meets the criteria at Stage I. Following Contract Award, the Powered Rope Ascender System provided by the winning Bidder will be retained by DND as part of the deliverables of the Contract. All other Powered Rope Ascender Systems will be returned to the respective Bidder at DND's expense. DND will pay for any damages that occur to the Powered Rope Ascender Systems while in DND possession.

2.1.3.1 Operational Performance Assessment

Each of the Powered Rope Ascender Systems supplied by the Bidders will be subjected to the DND conducted Operational Performance Assessment (02 to Annex C). The assessments are designed to

test the Powered Rope Ascender Systems for suitability within Maritime Special Operations in accordance with the operational performance requirements at Appendix 1 to Annex A. The assessments are expected to take no more than two (2) days per Bidder system. Conduct of the trials will be based upon a random order between the various Bidders and includes the following activities utilizing the Powered Rope Ascender System:

- (a) Activity 1: Navigation Swim;
- (b) Activity 2: Ship Ascent/Descent;
- (c) Activity 3: Equipment/Personnel Ascent/Descent; and
- (d) Activity 4: Scaling Target Structure.

Following the field trial, each trial participant will complete a performance assessment designed to quantify the usability of the Powered Rope Ascender System in the Maritime Special Operations environment. The participants (individually) will complete a series of questionnaires that rate the Powered Rope Ascender System in various rated categories as detailed in 03 to Annex C. Score breakdown for the rated categories is as follows:

Category	Score
Design	_____ out of 18
Operation	_____ out of 54
Maneuverability	_____ out of 24
Effectiveness	_____ out of 54
Compatibility with Other Equipment	_____ out of 12
Total User Rating Score	_____ out of 162
Overall Functionality	_____ out of 78
Total Overall Functionality Score	_____ out of 78

The total score is the sum of the average score for all participants for the Powered Rope Ascender System across all of the rated categories. A minimum average Total User Rating Score of 120 out of 162 available points must be obtained to be deemed technically compliant. In addition, and separate from the user rating, a minimum score of 60 out of 78 must be achieved in the Total Overall Functionality Score category. If the Powered Rope Ascender from a Bidder does not achieve the minimum score for both User Rating and Overall Functionality, the bid will be deemed non-compliant and given no further consideration.

APPENDIX 1 TO ANNEX "C" - STAGE I BID REQUIREMENTS AND ASSESSMENTS

A1.1 Instructions

Bidders will be assessed in accordance with the criteria detailed in this appendix. Mandatory requirements are identified by the word "must". All mandatory requirements must be met.

A1.2 Proposal Requirements

The Bidder must submit the following with the bid:

- (a) A completed Compliance Matrix including proof of compliance as specified in Table 1;
- (b) Documentation to support proof of compliance, which may include any or all of the following:
 - i. A system brochure that details the components and operating characteristics of the system;
 - ii. The system Operator's Manual;
 - iii. The system Maintenance Manual;
 - iv. Drawing or schematic which clearly depicts the product's dimensions and scale; and
 - v. Any additional documentation that provides product information.

A1.3 Test Results

Where Test Results are required as part of the Proof of Compliance, they must:

- (a) Be for the model offered or be for a previous model which the model offered is based upon, and include a detailed explanation why the results are valid for the model offered; and
- (b) Be signed on each page by the technical authority that completed the testing.

Note: Test results may include the test data and summary, or just the summary confirming the system passed the tests.

A1.4 Mandatory Requirements Evaluation

DND will assemble a Technical Evaluation Team who will evaluate the proposals in accordance with the Mandatory Requirements in Table 1. The evaluation will be based upon on the supplied information only. All Mandatory Requirements must be met or the bid submission will be deemed non-compliant. Failure to provide sufficient detail in the bid submission to evaluate the proposal against the Mandatory Requirements will also deem the bid non-compliant.

Table 1: Compliance Matrix - Powered Rope Ascender System

Item#	Ref. (Appendix 1 to Annex A	Mandatory Requirements	Proof of Compliance	Bid Reference
Operational Performance Requirements				
1	2.1(a)	<p>The Powered Rope Ascender System must be a battery-operated purpose-designed system specifically for the following:</p> <ul style="list-style-type: none"> iv. Ascending/descending a rope carrying a load (e.g., person, equipment, etc.) of no less than 150 kg (330 lbs) without reverse slippage; v. Used in a stationary position at the top of the lift to haul up/lower a load (e.g., person, equipment, etc.) of no less than 150 kg (330 lbs) attached to a rope without reverse slippage; and vi. Controlled either by the operator attached to the device or by remote control; 	<p>The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System is a battery-operated purpose-designed system specifically for the use specified in Section 2.1(a).</p>	
2	2.1(b)	<p>The Powered Rope Ascender System must operate safely underwater in accordance with IMCA 015;</p>	<p>The Bidder must provide results of performance tests that confirm the Powered Rope Ascender System operates safely underwater in accordance with IMCA 015. Results may be from in-house tests or from a third party test facility.</p>	
3	2.1(c)	<p>The Powered Rope Ascender System must be a self-contained, self-powered, water proof system that does not require any external connections for operation other than attachment to a rope;</p>	<p>The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System is a self-contained, self-powered, water</p>	

			proof system that does not require any external connections for operation other than attachment to a rope.	
4	2.1(d)	<p>The Powered Rope Ascender System must permit operation in the following environments:</p> <ul style="list-style-type: none"> vii. Boarding a Vessel-of-Interest (VOI) or elevated maritime platform from a small craft (e.g., Rigid Hull Inflatable Boat); viii. Boarding a VOI or elevated maritime platform from the water following a submerged transit; ix. Accessing multi-storey structures from the interior/exterior and from above/below; and x. Accessing confined spaces; 	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System permits operation in the environments specified in Section 2.1(d).	
5	2.1(e)	The Powered Rope Ascender System must be designed to permit transport and operation by a single trained individual from the 5th Percentile male up to a 95th Percentile male;	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System permits operation by a single trained individual from the 5th Percentile male up to a 95th Percentile male.	
6	2.1(f)	<p>The Powered Rope Ascender System must operate in the following environmental conditions in accordance with MIL-STD-810F:</p> <ul style="list-style-type: none"> vi. Temperature: -20°C to +45°C; vii. Water conditions: Both salt and fresh water; viii. Arid environment including exposure to sand; ix. Humidity: Up to 100%; and x. Subsequent to complete submersion in salt or fresh water to a depth of 10 m (32.8 ft) for a period of no less than three (3) hours; 	<p>The Bidder must provide:</p> <p>(1) Results of MIL-STD-810F tests that demonstrate the operation of the Powered Rope Ascender System throughout the range of environmental conditions specified in Section 2.1(f). Results may be from in-house</p>	

			<p>tests or from a third party test facility;</p> <p>AND</p> <p>(2) Results of performance tests that demonstrate that the Powered Rope Ascender System operates subsequent to complete submersion in salt or fresh water to a depth of 10 m (32.8 ft) for a period of no less than three (3) hours.</p>	
7	2.1(g)	<p>The Powered Rope Ascender System must have the ability to add flotation aides to be neutrally buoyant;</p>	<p>The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System permits addition of flotation aides to be neutrally buoyant.</p>	
8	2.1(h)	<p>The Powered Rope Ascender System must operate normally following:</p> <ul style="list-style-type: none"> iii. A 1 m (3.3 ft) drop on to a hard surface when housed within the transport case; and iv. A 0.5 m (1.6 ft) drop on to a hard surface when assembled for use and unprotected; 	<p>The Bidder must provide results of performance tests that confirm the Powered Rope Ascender System operates normally following drops as specified in Section 2.1(g). Results may be from in-house tests or from a third party test facility.</p>	
9	2.1(i)	<p>The Powered Rope Ascender System must be vibration resistant and transportable in an operational condition by aircraft, land vehicle and sea (ship and small craft);</p>	<p>The Bidder must provide results of performance tests that confirm the Powered Rope Ascender System is vibration resistant and transportable in an operational</p>	

			condition by aircraft, land vehicle and sea (ship and small craft). Results may be from in-house tests or from a third party test facility;	
10	2.1(j)	<p>The Powered Rope Ascender System must have safety provisions as follows:</p> <ul style="list-style-type: none"> v. Have an arrest and hold function in the event of electrical or mechanical failure; vi. Have an emergency unpowered descent function in the case of electrical or mechanical failure that is controlled by the operator as follows: <ul style="list-style-type: none"> a. Clutch release positioned for operation by one hand; b. Requires continuous hold for operation with no automatic free wheel; and c. Permits a maximum descent rate of no more than 3.0 m/sec (9.84 ft/sec); vii. Constructed with no sharp edges or hazards to bare hand operation or assembly; and viii. Free of any gaps or protrusions which may catch equipment, fingers and clothes; 	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System has safety provisions as specified in Section 2.1(j).	
11	2.1(k)	<p>The Powered Rope Ascender System must be manufactured from materials as follows:</p> <ul style="list-style-type: none"> iv. Corrosion resistant suitable for use in a salt water environment; v. Materials exposed to sunlight are resistant to degradation caused by ultraviolet radiation; and vi. Dissimilar metals are insulated from each other; 	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System is manufactured from materials as specified in Section 2.1(k).	
12	2.1(l)	The Powered Rope Ascender System must have an outer finish including all fasteners and controls that incorporates subdued low visibility colors, and non-illuminated safety and switch operation	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to	

		markings (i.e., no florescent or other type of glow markings are acceptable).	confirm the Powered Rope Ascender System has an outer finish as specified in Section 2.1(l).	
13	2.1(m)	The Powered Rope Ascender System must include a ruggedized black-out cover for indicator lights that completely blocks all light emissions when in place;	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System has a ruggedized black-out cover as specified in Section 2.1(m).	
14	2.1(n)	The Powered Rope Ascender System must have a designed life of no less than three (3) years when used in accordance with the manufacturer's recommended operating procedures.	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System has a designed life as specified in Section 2.1(n).	
Technical Requirements				
15	2.2.1	<p>General Requirements</p> <p>The Powered Rope Ascender System must:</p> <p>(a) Consist of the following components:</p> <ul style="list-style-type: none"> i. Housing; ii. Rope Capture Assembly; iii. Battery Assembly; and iv. Control System; <p>(b) Have a size (Length x Width x Depth) including all components as follows:</p> <ul style="list-style-type: none"> i. Occupy a volume of no more than 19,992 cubic-centimeters (1220 cubic inches); and 	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System is compliant with the General Requirements as specified in Section 2.2.1.	

		<ul style="list-style-type: none"> ii. No single dimension to exceed 38.1 cm (15 in); (c) Have a weight including all components of not more than 11 kg (24.2 lbs); 		
16	2.2.2	<p>Housing</p> <p>The Powered Rope Ascender System Housing must:</p> <ul style="list-style-type: none"> (a) Contain the electric motor and transmission assembly; (b) Have an attached data plate that includes the following information (as a minimum): <ul style="list-style-type: none"> i. Make; ii. Model; iii. Revision/Series; iv. Serial Number; and v. Date of Manufacture; (c) Include data plates to provide warnings or precautionary operating instructions that would be visible only to the operator in black-out conditions. 	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System is compliant with the Housing requirements as specified in Section 2.2.2.	
17	2.2.3	<p>Rope Capture Assembly</p> <p>The Powered Rope Ascender System Rope Capture Assembly must:</p> <ul style="list-style-type: none"> (a) Permit ascent/descent without reverse slippage on wet and dry ropes of 6.5 - 9 mm (0.26 - 0.35 in) in diameter; and (b) Include a clip in hard point to permit 2:1 mechanical advantage and retrievable rappel. 	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System is compliant with the Rope Capture Assembly requirements as specified in Section 2.2.3.	
18	2.2.4	<p>Battery Assembly</p> <p>The Powered Rope Ascender System Battery Assembly must:</p> <ul style="list-style-type: none"> (a) Comply with NAVSEA 9310; (b) Comply with IMCA 015; (c) Permit ascent of no less than 200 m (656.1 ft) with a load of 120 kg (264 lbs) on a single full charge; (d) Operate safely and be removable/replaceable underwater;; 	The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix, certifications and any other documentation that is required, to confirm the Powered Rope Ascender System is compliant with the Battery	

		<ul style="list-style-type: none"> (e) Have a low battery indicator that illuminates when there is 15% of battery capacity remaining, and a visible warning when the battery is failing; (f) In case of battery damage during use, not affect the operation of the Powered Rope Ascender System, and return the Powered Rope Ascender System to full functionality once the battery is replaced; (g) Not present a hazard to operators or other personnel due to exposure to harmful or toxic material in case of casing puncture; and (h) Retain full charge performance for no less than six (6) months without connection to a charger, and recover full charge performance (i.e., no memory) when connected to a charger subsequent to six (6) months without being charged. 	<p>Assembly requirements as specified in Section 2.2.4.</p> <p>The Bidder must provide a statement of compliance with the best practices established in IMCA 015.</p>	
19	2.2.5	<p>Control System</p> <p>The Powered Rope Ascender System Control System must:</p> <ul style="list-style-type: none"> (a) Provide continuous hands on operation by direct control (i.e., no hands free operation) including the following command functions: <ul style="list-style-type: none"> i. Power on/off; ii. Ascend and Descend with rate selection not to exceed 1.0 m/s (3.3 ft/s); and iii. Hold; (b) Permit remote control from a hand-held wireless remote with the same command functions that can be over-ridden by the on-board operator; (c) Respond to all commands in less than 250 milliseconds; (d) Include controls that are arranged/located to prevent inadvertent activation; (e) Have an on-board operating system as follows: <ul style="list-style-type: none"> i. Includes a power up Built in Test (BIT) to notify the operator that full functionality is available; ii. Includes a continuous BIT function to monitor performance during operation and to notify the operator of any malfunction condition; and iii. Recover from any unspecified fault condition without requiring cycling of the power Off/On. 	<p>The Bidder must provide technical data, including that specified in Section A1.2(b) of this Appendix and any other documentation that is required, to confirm the Powered Rope Ascender System is compliant with the Control System requirements as specified in Section 2.2.5.</p>	

APPENDIX 2 TO ANNEX "C" - STAGE II OPERATIONAL PERFORMANCE ASSESSMENT

A3.1 Scope

This Appendix details the Operational Performance Trials for the Powered Rope Ascender System.

A3.2 Aim

The aim of the Operational Performance Trials is to evaluate the Powered Rope Ascender System as a tool to enable boarding operations. The trials will consider both the operator's ability to effectively conduct tasks while using the Powered Rope Ascender, and the effect the device has on the conduct of the boarding operation.

A3.3 Operational Performance Trial Plan

The trials are task-based and are focused on the operator's ability to effectively conduct these tasks. Each task will be rated qualitatively through the use of a systematic user rating. Participants will rate the Powered Rope Ascender System in the following areas:

- (a) Design;
- (b) Operation;
- (c) Maneuverability;
- (d) Effectiveness; and
- (e) Compatibility

A3.4 Participants

The participants conducting the trials will be DND personnel that are familiar with the use of Powered Rope Ascender Systems. There will be a minimum of four (4) participants conducting the trials, and each participant will conduct the trial with each of the Bidder's Powered Rope Ascender System such that each of the systems provided by the Bidder are trialed by each participant. Each participant must complete all tasks within the specific test for all Powered Rope Ascender Systems under evaluation. Should a participant become incapacitated or unavailable to complete the test for all systems, the activity will be deemed incomplete for that participant and none of the results for that participant will be included in the overall assessment of that test.

A3.5 Trial Program

The Operational Performance trial will be conducted at a DND and/or suitable private facility over a period of a number of days depending on the number of Powered Rope Ascender Systems to be assessed. Powered Rope Ascender Systems will be trialed in a random order of Bidders and rest periods will be included in the trial program to eliminate the bias of physical exhaustion from the assessment process. Additional days will be allocated in case of inclement weather that would affect the outcome of the trials. All participants will be given time in which to become proficient with each Powered Rope Ascender System prior to conducting the trials.

A3.6 User Rating

Participants will provide a task evaluation at the completion of various activities for each Powered Rope Ascender System. The participant evaluations will be captured by individual ratings of various criteria using a non-biased approach to collecting user perception. A 7-point scale will be used to provide a clear and understandable quantification of the participants' perceptions in a controlled manner. The 7-point scale is defined as follows:

ASSESSMENT SCALE	SCORE
The Powered Rope Ascender System did not meet any requirements for the task and had severe limitations that would prevent the operator from completing the task.	0
The Powered Rope Ascender System met the minimal requirements for the task and had some limitations that may prevent the operator from completing the task.	1
The Powered Rope Ascender System met some of the requirements for the task and performed in a manner that that may prevent the operator from completing the task.	2
The Powered Rope Ascender System met some of the requirements for the task and performed in a manner that would permit the operator to complete the task with significant limitations on range of use.	3
The Powered Rope Ascender System met most of the requirements for the task and performed in a manner that would permit the operator to complete the task with few limitations on range of use.	4
The Powered Rope Ascender System met most of the requirements for the task and performed well in the hands of the operator with only minor limitations.	5
The Powered Rope Ascender System met or exceeded all requirements for the task and performed in every way expected by the operator.	6

A3.7 Activities and Procedures

The trials and the data collection procedures are detailed in the following sections. The activities are based upon the actual training and qualification tests used in advanced combat diving and climbing and, as such, only generic descriptions of the tests are provided. Prior to the tests, the Powered Rope Ascender System will be charged on the provided charger for no less than six (6) hours, and then submerged in a recompression chamber to a depth of 10 m (32.8 ft) for three (3) hours.

A3.7.1 Activity 1: Navigation Swim

The aim of the Navigation Swim activity is to determine the effectiveness of transporting the powered rope ascender in operational environments. The participants will conduct the following tasks:

- (a) Prepare and equip the Powered Rope Ascender System for a Navigation Swim;
- (b) Conduct a navigation swim at a depth of 10 m (32.8 ft) with the Powered Rope Ascender; and
- (c) Remove and replace the battery underwater.

A3.7.2 Activity 2: Ship Ascent/Descent

The aim of the Ship Ascent/Descent activity is to determine the effectiveness and ease of use when boarding a VOI. The participants will complete two (2) ascents and descents using the Powered Rope Ascender System from the water on a rope affixed to the deck of a ship with a freeboard of no less than 4 m (13.1 ft). They will be wearing gloves and the ascents and descents will be conducted as follows:

- (a) Using a wet (soaked for two (2) hours) 9.0 mm (0.35 in) diameter rope;
- (b) The first descent will be under power; and
- (c) The second descent will utilize the emergency descent clutch release.

A3.7.3 Activity 3: Equipment/Personnel Ascent/Descent

The aim of the Equipment/Personnel Ascent/Descent activity is to determine the effectiveness and ease of use when hauling equipment remotely against a target structure. The participants will complete a series of equipment/personnel ascents/descents using the Powered Rope Ascender System carrying a person or equipment load of no less than 18.2 kg (40 lbs). The rope will be dry, 6.5 mm (0.25 in) in diameter, and will be affixed to the deck of a ship or the roof of a structure with a height of no less than 4 m (13.1 ft). The Powered Rope Ascender System will be controlled both locally by the person attached to the device, and remotely by a second individual at a distance of no less than 5 m (16.4 ft) from the lifting point. The ascent/descents will be conducted as follows:

- (a) Exercising local control of the Powered Rope Ascender System;
- (b) Exercising remote control of the Powered Rope Ascender System; and
- (c) Exercising local/remote control of the Powered Rope Ascender System as follows:
 - i. The remote operator will initialize an ascent from the bottom of the lift with a second operator attached to the Powered Rope Ascender System; and
 - ii. The operator attached to the Powered Rope Ascender System will interrupt the operation of the Powered Rope Ascender System by triggering the opposite command.

A3.7.4 Activity 4: Scaling Target Structure

The aim of the Scaling Target Structure activity is to determine the effectiveness and ease of use when boarding a Target Structure. The participants will complete a series of ascents and descents using the Powered Rope Ascender System on a rope affixed to the roof of a structure with a height of no less than 16 m (52.5 ft). The ascent/descents will be conducted as follows:

- (a) Using a dry 6.5 mm (0.25 in) diameter rope;
- (b) Using a dry 9.0 mm (0.35 mm) diameter rope;
- (c) One (1) descent will be under power; and
- (d) The other descent will utilize the emergency descent clutch release.

A3.8 Activity 5: Human Factors Assessment

The aim of the Human Factors assessment is to quantify the experiences of the users over Activities 1, 2, 3, and 4. Each participant will then complete the Human Factors Assessment Questionnaire at 03.

APPENDIX 3 TO ANNEX "C" - HUMAN FACTORS ASSESSMENT QUESTIONNAIRE

Participant Number:	OEM:
Date:	Make/Model:
	Serial #:

ASSESSMENT SCALE	SCORE
The Powered Rope Ascender System did not meet any requirements for the task and had severe limitations that would prevent the operator from completing the task.	0
The Powered Rope Ascender System met the minimal requirements for the task and had some limitations that may prevent the operator from completing the task.	1
The Powered Rope Ascender System met some of the requirements for the task and performed in a manner that that may prevent the operator from completing the task.	2
The Powered Rope Ascender System met some of the requirements for the task and performed in a manner that would permit the operator to complete the task with significant limitations on range of use.	3
The Powered Rope Ascender System met most of the requirements for the task and performed in a manner that would permit the operator to complete the task with few limitations on range of use.	4
The Powered Rope Ascender System met most of the requirements for the task and performed well in the hands of the operator with only minor limitations.	5
The Powered Rope Ascender System met or exceeded all requirements for the task and performed in every way expected by the operator.	6

The Participant will rate the acceptability of the Powered Rope Ascender System in terms of the following:	User Assessment
	   0 1 2 3 4 5 6
DESIGN	
Size of the device permitted ease of use and handling.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Battery was easy to replace.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Controls were effectively positioned for ease of access with either hand.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	_____ out of 18

OPERATION						
The device was easily transportable.	<input type="checkbox"/>					
Deployment and attachment to a rope.	<input type="checkbox"/>					
Attached to the load in preparation to ascend.	<input type="checkbox"/>					
Maintaining control grasp while wearing gloves.	<input type="checkbox"/>					
Control with either hand.	<input type="checkbox"/>					
Body position while ascending/descending.	<input type="checkbox"/>					
Control through all stages of ascent including initial take-up and positioning at end of travel.	<input type="checkbox"/>					
Rope gear operation was safe from snare and snag.	<input type="checkbox"/>					
Maintaining full situational awareness of the device operation and immediate vicinity to confidently complete tasks.	<input type="checkbox"/>					
	____ out of 54					
MANEUVERABILITY						
Changing positions while ascending/descending.	<input type="checkbox"/>					
Communication with team without interference (noise, etc.).	<input type="checkbox"/>					
Visibility of the immediate environment whenever desired without missing details while ascending/descending.	<input type="checkbox"/>					
Completing mission critical tasks not otherwise accomplished without the device.	<input type="checkbox"/>					
	____ out of 24					
EFFECTIVENESS						
Device positively contributed to task completion while minimizing fatigue.	<input type="checkbox"/>					
Completion of tasks within the expected time period while using the device.	<input type="checkbox"/>					
Able to navigate obstacles while using the device.	<input type="checkbox"/>					
Ability to achieve the desired objective while using the device.	<input type="checkbox"/>					
Interference of the device with other task elements.	<input type="checkbox"/>					
Use for boarding operations originating from the water.	<input type="checkbox"/>					
Use for boarding operations originating from a surface craft.	<input type="checkbox"/>					
Use for ascending operations from the ground.	<input type="checkbox"/>					

Overall contribution to task completion.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	____ out of 54
COMPATIBILITY	
Other carried and utilized equipment were usable without device interference while suspended	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Other carried and utilized equipment were usable without device interference while conducting a navigation swim	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	____ out of 12
OVERALL FUNCTIONALITY (ACCEPATABLE/UNACCEPTABLE)	
Continuously ascent up a vertical line.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Changing the battery underwater.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Attaching the device to a rope provided 40cm of slack.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Detaching the device from a rope provided 40cm of slack.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Operated the device from operational depth.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Detaching from a 6.5 mm rope and attaching to a 9mm rope without changing out the assembly.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Detaching from a 9 mm rope and attaching to a 6.5 mm rope without changing out the assembly.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Operating the ascend function with one gloved hand.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Operating the descend function with one gloved hand.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Blackout operation maintained full functionality and provided no illumination.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Operating the ascent, descent and battery check functions underwater with a gloved hand.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Operating the device via a wireless remote control at a range of no less than five (5) meters.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Overriding the commands of the remote control with local control.	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	____ out of 78

Category	Score
Design	____ out of 18
Operation	____ out of 54
Maneuverability	____ out of 24

Effectiveness	_____ out of 54
Compatibility with Other Equipment	_____ out of 12
Total User Rating Score	_____ out of 162
Overall Functionality	_____ out of 78
Total Overall Functionality Score	_____ out of 78

ANNEX "D" DND 626 TASK AUTHORIZATION FORM
Note to Bidders – This annex will form Annex C of the contract



**TASK AUTHORIZATION
AUTORISATION DES TÂCHES**

All invoices/progress claims must show the reference Contract and Task numbers. Toutes les factures doivent indiquer les numéros du contrat et de la tâche.		Contract no. – N° du contrat	
		Task no. – N° de la tâche	
Amendment no. – N° de la modification	Increase/Decrease – Augmentation/Réduction	Previous value – Valeur précédente	
To – À	<p>TO THE CONTRACTOR</p> <p>You are requested to supply the following services in accordance with the terms of the above reference contract. Only services included in the contract shall be supplied against this task.</p> <p>Please advise the undersigned if the completion date cannot be met. Invoices/progress claims shall be prepared in accordance with the instructions set out in the contract.</p> <p>À L'ENTREPRENEUR</p> <p>Vous êtes prié de fournir les services suivants en conformité des termes du contrat mentionné ci-dessus. Seuls les services mentionnés dans le contrat doivent être fournis à l'appui de cette demande.</p> <p>Prière d'aviser le signataire si la livraison ne peut se faire dans les délais prescrits. Les factures doivent être établies selon les instructions énoncées dans le contrat.</p>		
Delivery location – Expédié à			
Delivery/Completion date – Date de livraison/d'achèvement			
Contract item no. N° d'article du contrat	Services	Cost Prix	
		GST/HST TPS/TVH	
		Total	
<p>APPLICABLE ONLY TO PWGSC CONTRACTS: The Contract Authority signature is required when the total value of the DND 626 exceeds the threshold specified in the contract.</p> <p>NE S'APPLIQUE QU'AUX CONTRATS DE TPSGC : La signature de l'autorité contractante est requise lorsque la valeur totale du formulaire DND 626 est supérieure au seuil précisé dans le contrat.</p>			
_____ for the Department of Public Works and Government Services pour le ministère des Travaux publics et services gouvernementaux			

**Instructions for completing
DND 626 - Task Authorization**

Contract no.

Enter the PWGSC contract number in full.

Task no.

Enter the sequential Task number.

Amendment no.

Enter the amendment number when the original Task is amended to change the scope or the value.

Increase/Decrease

Enter the increase or decrease total dollar amount including taxes.

Previous value

Enter the previous total dollar amount including taxes.

To

Name of the contractor.

Delivery location

Location where the work will be completed, if other than the contractor's location.

Delivery/Completion date

Completion date for the task.

for the Department of National Defence
Signature of the DND person who has delegated Authority for signing DND 626 (level of authority based on the dollar value of the task and the equivalent signing authority in the PAM 1.4). **Note:** the person signing in this block ensures that the work is within the scope of the contract, that sufficient funds remain in the contract to cover this task and that the task is affordable within the Project/Unit budget.

Services

Define the requirement briefly (attach the SOW) and identify the cost of the task using the contractor's quote on the level of effort. The Task must use the basis of payment stipulated in the contract. If there are several basis of payment then list here the one(s) that will apply to the task quote (e.g. milestone payments; per diem rates/labour category hourly rates; travel and living rates; firm price/celling price, etc.). All the terms and conditions of the contract apply to this Task Authorization and cannot be ignored or amended for this task. Therefore it is not necessary to restate these general contract terms and conditions on the DND 626 Task form.

Cost

The cost of the Task broken out into the individual costed items in Services.

GST/HST

The GST/HST cost as appropriate.

Total

The total cost of the task. The contractor may not exceed this amount without the approval of DND indicated on an amended DND 626. The amendment value may not exceed 50% (or the percentage for amendments established in the contract) of the original value of the task authorization. The total cost of a DND 626, including all amendments, may not exceed the funding limit identified in the contract.

Applicable only to PWGSC contracts

This block only applies to those Task Authorization contracts awarded by PWGSC. The contract will include a specified threshold for DND sole approval of the DND 626 and a percentage for DND to approve amendments to the original DND 626. Tasks that will exceed these thresholds must be passed to the PWGSC Contracting Authority for review and signature prior to authorizing the contractor to begin work.

Note:

Work on the task may not commence prior to the date this form is signed by the DA Authority - for tasks within the DND threshold; and by both DND and PWGSC for those tasks over the DND threshold.

**Instructions pour compléter le formulaire
DND 626 - Autorisation des tâches**

N° du contrat

Inscrivez le numéro du contrat de TPSGC en entier.

N° de la tâche

Inscrivez le numéro de tâche séquentiel.

N° de la modification

Inscrivez le numéro de modification lorsque la tâche originale est modifiée pour en changer la portée.

Augmentation/Réduction

Inscrivez le montant total de l'augmentation ou de la diminution, y compris les taxes.

Valeur précédente

Inscrivez le montant total précédent, y compris les taxes.

À

Nom de l'entrepreneur.

Expéctiez à

Endroit où le travail sera effectué, si celui-ci diffère du lieu d'affaires de l'entrepreneur.

Date de livraison/d'achèvement

Date d'achèvement de la tâche.

pour le ministère de la Défense nationale
Signature du représentant du MDN auquel on a délégué le pouvoir d'approbation en ce qui a trait à la signature du formulaire DND 626 (niveau d'autorité basé sur la valeur de la tâche et le signataire autorisé équivalent mentionné dans le MAA 1.4). **Nota :** la personne qui signe cette attache de signature confirme que les travaux respectent la portée du contrat, que suffisamment de fonds sont prévus au contrat pour couvrir cette tâche et que le budget alloué à l'unité ou pour le projet le permet.

Services

Définissez brièvement le besoin (joignez l'ET) et établissez le coût de la tâche à l'aide de la soumission de l'entrepreneur selon le niveau de difficulté de celle-ci. Les modalités de paiement stipulées dans le contrat s'appliquent à la tâche. Si plusieurs d'entre elles sont prévues, énumérez ici celle/elles qui s'appliquera/ont à la soumission pour la tâche à accomplir (p.ex. acompte fondé sur les étapes franchies; taux quotidien ou taux horaire établi selon la catégorie de main-d'œuvre; frais de déplacement et de séjour; prix fixe ou prix plafond; etc.). Toutes les modalités du contrat s'appliquent à cette autorisation de tâche et ne peuvent être négligées ou modifiées quant à la tâche en question. Il n'est donc pas nécessaire de répéter ces modalités générales afférentes au contrat sur le formulaire DND 626.

Prix

Mentionnez le coût de la tâche en le répartissant selon les frais afférents à chaque item mentionné dans la rubrique Services.

TPS/TVH

Mentionnez le montant de la TPS/TVH, s'il y a lieu.

Total

Mentionnez le coût total de la tâche. L'entrepreneur ne peut dépasser ce montant sans l'approbation du MDN, formulaire DND 626 modifié à l'appui. Le coût de la modification ne peut pas être supérieur à 50 p. 100 du montant initial prévu dans l'autorisation de tâche (ou au pourcentage prévu dans le contrat pour les modifications). Le coût total spécifié dans le formulaire DND 626, y compris toutes les modifications, ne peut dépasser le plafond de financement mentionné dans le contrat.

Ne s'applique qu'aux contrats de TPSGC

Le présent paragraphe s'applique uniquement aux autorisations de tâche accordées par TPSGC. On inscrira dans le formulaire DND 626 un plafond précis qui ne pourra être approuvé que par le MDN et un pourcentage selon lequel le MDN pourra approuver des modifications au formulaire DND 626 original. Les tâches dont le coût dépasse ces plafonds doivent être soumises à l'autorité contractante de TPSGC pour examen et signature avant qu'on autorise l'entrepreneur à débiter les travaux.

Nota :

Les travaux ne peuvent commencer avant la date de signature de ce formulaire par le responsable du MDN, pour les tâches dont le coût est inférieur au plafond établi par le MDN, et par le MDN et TPSGC pour les tâches dont le coût dépasse le plafond établi par le MDN.

APPENDIX 1 to PART 5 - BID SOLICITATION FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY – CERTIFICATION

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\) – Labour's](#) website.

Date: _____ (YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a [federally regulated employer](#) being subject to the [Employment Equity Act](#).
- A4. The Bidder certifies having a combined work force in Canada of less than 100 employees (combined work force includes: permanent full-time, permanent part-time and temporary employees [temporary employees only includes those who have worked 12 weeks or more during a calendar year and who are not full-time students]).

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- A5.1. The Bidder certifies already having a valid and current [Agreement to Implement Employment Equity](#) (AIEE) in place with ESDC-Labour.

OR

- A5.2. The Bidder certifies having submitted the [Agreement to Implement Employment Equity \(LAB1168\)](#) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

OR

- B2. The Bidder is a Joint venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions