



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions Travaux  
publics et Services gouvernementaux Canada  
Cabot Place, Phase II, 2nd Floor  
Box 4600  
St. John's, NL  
A1C 5T2  
Bid Fax: (709) 772-4603

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise  
indicated, all other terms and conditions of the Solicitation  
remain the same.

Ce document est par la présente révisé; sauf indication contraire,  
les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

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

**Issuing Office - Bureau de distribution**  
PWGSC / TPGSC - Nfld. Region  
Cabot Place, Phase II, 2nd Floor  
Box 4600  
St. John's, NL  
A1C 5T2

<b>Title - Sujet</b> Purchasing of Mooring Lines for the Achat d'amarres pour la Garde côtière canadienne	
<b>Solicitation No. - N° de l'invitation</b> F6854-210030/A	<b>Amendment No. - N° modif.</b> 003
<b>Client Reference No. - N° de référence du client</b> F6854-210030	<b>Date</b> 2022-03-23
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$XAQ-031-7771	
<b>File No. - N° de dossier</b> XAQ-1-44179 (031)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> Newfoundland Daylight Saving Time NDT <b>on - le 2022-04-07</b> Heure Avancée de Terre-Neuve HAT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Baird, Janice	<b>Buyer Id - Id de l'acheteur</b> xaq031
<b>Telephone No. - N° de téléphone</b> (709) 728-7182 ( )	<b>FAX No. - N° de FAX</b> (709) 772-4603
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

This amendment is issued to provide the following information. Please sign it and return with your bid.

1. Questions and answers
2. Revised Statement of Requirement
3. Revised Basis of Payment
4. Addition of Annex E – Mandatory Requirements Checklist

#### **Questions and Answers:**

Q1. In review of the documentation, we note you want these mooring lines to be certified to MEG4 under ABS. Our facilities are certified for these ropes to MEG4 but are under DnV as the certifying authority. Please advise if you will accept ropes to MEG4 under DnV certification?

A1 – MEG4 Certification is being removed from this requirement. Ropes must meet the minimum mandatory requirements stated.

Q2. All rope on inquiry do you have a construction 8 strand / 12 strand etc.

A2. The client has advised that the strand construction will not be specified. The mandatory minimum specifications must be met as stated.

Q3. 64 pcs shackles please provide style required Screw Pin / Safety Pin style etc.

A3. The style doesn't matter as long as it meets the requirements listed. i.e., they meet the SWL/WLL limits and are protected against corrosion common in the marine environment.

Q4. The requirement for all synthetic rope assemblies (Annex A) states: "Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment;". Will equivalent alternative materials (other than nylon with proprietary coating) be accepted?

A4. The 'proprietary coating' is a manufacturer specific coating that permits the line to maintain flexibility and to ensure ease of handling in the marine environment. The coating for the permanent eye is referred to in the industry as a 'chafer'. It is typically a fiber coating, Kevlar is sometimes used, to reduce wear and tear on the eye as this is where the rope will pivot in the event that the vessel moves at the dock in heavy weather. All mandatory requirements stated in the specification must be met. Equivalents will not be accepted.

**Replace Annex A – Statement of Requirement with the following:**

**Annex A  
Statement of Requirement**

**Purchasing of Mooring Lines for the Canadian Coast Guard**

**E1.0 Scope:**

For the purchase of thirty-two mooring ropes, sixty-four shackles and sixty-four mooring rope tails for delivery to Canadian Coast Guard Atlantic Region.

**E1.1 Title:**

Supply of mooring lines for vessels of the Canadian Coast Guard fleet.

**E1.2 Introduction:**

The Canadian Coast Guard has a requirement for mooring lines to be used by its fleet of vessels to enable these vessels to secure in a safe manner to prevent damage to the vessels, their crew, the general public, and privately owned lands and facilities

**E1.3 Objectives of the Requirement:**

Mooring lines are part of an essential package of equipment that every vessel has to prevent it from being damaged and possibly risk injury to the crew. Extra lines are often required during times of inclement weather or to replace lines that have parted or have become worn out.

**E1.4 Background and Specific Scope of the Requirement:**

CCG has identified a requirement to have extra lines available for immediate use should a vessel require them. In previous years, several CCG vessels have suffered multiple line failures during inclement weather events creating an emergency situation that often resulted in damage to the vessel delaying delivery of programs by CCG to its clients.

A minimum requirement has been identified as follows:

Items to be purchased:

- 20 x 3 inch diameter rope, each 300 feet long
- 12 x 3.5 inch diameter rope, each 300 feet long
- 40 x 3.5 inch diameter rope tails, each 35 feet long
- 24 x 4.5 inch diameter rope tails, each 35 feet long
- 64 x shackles for connecting ropes and tails.

Each 3 inch diameter rope Must meet the following requirements:

- Must be not less than 3 inches in diameter
- Must not be less than 300 feet in length

- 
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
  - Must have a permanent eye [loop] sliced at each end of the rope.
  - The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.
  - The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
  - Must have a minimum strength of not less than 218,000 lbs.
  - Must have an Average Strength of not less than 257,000 lbs.
  - Must be ISO 2307 rated

Each 3.5 inch diameter rope Must have the following requirements:

- Must be not less than 3.5 inches in diameter
- Must not be less than 300 feet in length
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
- Must have a permanent eye [loop] sliced at each end of the rope.
- The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.
- The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
- Must have a minimum strength of not less than 303,000 lbs.
- Must have an average strength of not less than 356,000 lbs.
- Must be ISO 2307 rated

Each 3.5 inch diameter rope tail Must have the following requirements:

- Must be not less than 3.5 inches in diameter
- Must not be less than 35 feet in length
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
- Must have a permanent eye [loop] sliced at each end of the rope.
- The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.
- The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
- Must have a Tail Breaking Force of not less than 257,000 lbs.
- Must be ISO 2307 rated

Each 4.5 inch diameter rope tail Must have the following requirements:

- Must be not less than 4.5 inches in diameter
- Must not be less than 35 feet in length
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
- Must have a permanent eye [loop] sliced at each end of the rope.
- The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.
- The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
- Must have a Tail Breaking Force of not less than 411,000 lbs.
- Must be ISO 2307 rated

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Each shackle purchased for connecting ropes to rope tails, Must meet the following requirements:

- Have a Working Load Limit of not less than 50 tons
- Must have a coating to specifically prevent corrosion in its normal operating environment.

## **E2.0 Requirements:**

The contractor must produce all of the above listed items, each meeting their associated minimum requirements also listed above. Additionally the contractor must provide the client with all of the required documentation pursuant to the proper inspection and certification as per the standard of good seamanship. Ropes must have markings stamped in a convenient manner that does not compromise the required strength of the rope. Documentation must be made available in English and French

## **E2.1 Specifications and Standards:**

Items must be further divided into 'Large' and 'Medium' package.

For the purposes of this contract, a 'Large' package Must comprise of:

- 4 x 3.5 inch diameter, 300 foot long lines with eyes and chafer
- 8 x 4.5 inch diameter, 35 foot long rope tales, with eyes and chafer
- 8 x shackles for connecting the tails to the primary mooring rope.

For the purposes of this contract, a 'Medium' package Must comprise of:

- 4 x 3 inch diameter, 300 foot long lines with eyes and chafer
- 8 x 3.5 inch diameter, 35 foot long rope tales, with eyes and chafer
- 8 x shackles for connecting the tails to the primary mooring rope.

The items listed in section E1.5 should be sufficient to create three 'Large' and five 'Medium' packages. The contractor must contact the client should there be any question regarding the composition of either package.

The contractor must deliver all work to 250-280 Southside Road, St. John's, NL, or 1 Discovery Drive, Dartmouth, NS, whichever is closer to the point of manufacture and/or assembly. Work must be delivered care of "Regional Operations Centre Atlantic".

The client must make the contractor aware of any further shipping requirements should it be required. All further shipping Must be at the expense of the client.

## **E2.2 Method and Source of Acceptance:**

All deliverables and services rendered under this contract are subject to inspection by CCG. Should any deliverables not be accepted, CCG must have the right to reject them or require correction before payment will be authorized.

## **E2.3 Reporting Requirements:**

Production updates are to be provided upon request by the client.

## **E2.4 Change Management Procedures:**

Changes to this requirement, if appropriate, will be effected in writing and amendments

### **E3.0 Other Terms and Conditions of the SOW:**

#### **E3.1 CCG Obligations:**

- Provide access to CCG facilities as needed
- Ensure availability of staff with whom the contractor may need to consult;
- Access to appropriate guidelines (yard safety guidelines, etc.) if applicable
- Schedule meetings, if required;

#### **E3.2 Contractor's Obligations:**

- Submit all written reports in hard copy and electronic Microsoft Office Word or Adobe PDF
- Attend meetings upon request

#### **E3.3 Location of Work, Work site and Delivery Point:**

The work will be performed at the Contractor's facility

#### **E3.4 Language of Work:**

English

#### **E3.5 Special Requirements:**

The contractor Must make CCG aware of any requirements for special licenses, information on patents, permits, bonds or import/export details which may be required of either Party involved in this contract.

### **E4.0 Project Schedule:**

#### **E4.1 Expected Start and Completion Dates:**

As this is a supply contract for mooring ropes, it is expected that once issued, the ropes will be available as soon as possible.

### **E5.0 Relevant Terms, Acronyms and Glossaries:**

**CCG** – Canadian Coast Guard

**Minimum Strength** – Defined as the minimum single value from a series of five prototype rope tests.

**Average Strength** – Defined as the average value from a series of five prototype rope tests.

**ISO 2307** – The International Organization for Standardization value assigned to determine certain physical and mechanical properties of fiber ropes

**Tail Breaking Force** – The minimum breaking force at which a new spliced mooring tail will break when tested in wet conditions. Typically 125 to 130% of the Minimum Breaking Load

**Working Load Limit [WLL]** – The maximum load that a component should be subjected to in operational service, calculated from the limiting environmental criteria. Sometimes referred to as 'Safe Working Load' [SWL]

**Tail** – A shorter length of rope connected to the main mooring rope, usually by a shackle or some other means, to provide extra shock absorption and elasticity, thus extending the lifespan of the main rope.

**Shackle** – A U-Shaped piece of metal that can be secured with a pin or bolt across the open end. Usually used to join two items together as part of a larger rigging assembly but can be also used as a method to secure a vessel.

**Chafer** – A sleeve, usually made of a durable, heat-resistant material, fitted over the eye of a mooring rope to extend its lifespan.

**Eye** – A permanent loop in a rope where one end of a rope is 'braided' [usually referred to as a 'splice'] into the rope some distance back from the end

Solicitation No. - N° de l'invitation  
F6854-210030/A

Amd. No. - N° de la modif.  
003

Buyer ID - Id de l'acheteur  
xaq031

Client Ref. No. - N° de réf. du client  
F6854-210030

File No. - N° du dossier  
XAQ-1-44179

CCC No./N° CCC - FMS No./N° VME

**Replace Annex B with the following:**

**ANNEX "B"**  
**BASIS OF PAYMENT**

**Pricing:**

- Please provide pricing for all line items. Failure to do so will deem bid non-responsive.
- Prices do not include applicable taxes.
- **IMPORTANT NOTE TO BIDDERS:**  
**BIDDERS MUST COMPLETE THE UNIT PRICE TABLE BELOW. BIDDERS ARE NOT TO CREATE A SEPARATE PRICING TABLE. FAILURE TO COMPLETE THE PROVIDED UNIT PRICE TABLE WILL RENDER BID NON-COMPLIANT AND NO FURTHER CONSIDERATION WILL BE GIVEN.**

ITEM	U of I	QTY	Price	Extended Price
3 inch diameter rope, each 300 feet long	EA	20	\$	\$
3.5 inch diameter rope, each 300 feet long	EA	12	\$	\$
3.5 inch diameter rope tails, each 35 feet long	EA	40	\$	\$
4.5 inch diameter rope tails, each 35 feet long	EA	24	\$	\$
shackles for connecting ropes and tails	EA	64	\$	\$
Freight Charges ____ St. John's or ____ Dartmouth	LOT	1		\$
			Total Contract Amount (HST extra)	\$

**Delivery Address:** whichever is closer to the point of manufacture and/or assembly.

**Canadian Coast Guard**  
**250-280 Southside Road**  
**St. John's NL A1E 0A3** or

**Canadian Coast Guard**  
**05C Warehouse**  
**35 Akerley Boulevard**  
**Dartmouth, NS B3B 1J6**



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**Add the following Annex E:**

**Bidders are to complete this annex and provide the page numbers where the item information is found and return it with their bid.**

**ANNEX E  
MANDATORY REQUIREMENTS CHECKLIST**

Each 3 inch diameter rope Must meet the following requirements:

- Must be not less than 3 inches in diameter
- Must not be less than 300 feet in length
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
- Must have a permanent eye [loop] sliced at each end of the rope.
- The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.
- The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
- Must have a minimum strength of not less than 218,000 lbs.
- Must have an Average Strength of not less than 257,000 lbs.
- Must be ISO 2307 rated

**Met: Yes \_\_\_\_\_ No \_\_\_\_\_**

**Page(s) in your proposal: \_\_\_\_\_**

Each 3.5 inch diameter rope Must have the following requirements:

- Must be not less than 3.5 inches in diameter
- Must not be less than 300 feet in length
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
- Must have a permanent eye [loop] sliced at each end of the rope.
- The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.
- The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
- Must have a minimum strength of not less than 303,000 lbs.
- Must have an average strength of not less than 356,000 lbs.
- Must be ISO 2307 rated

**Met: Yes \_\_\_\_\_ No \_\_\_\_\_**

**Page(s) in your proposal: \_\_\_\_\_**

Each 3.5 inch diameter rope tail Must have the following requirements:

- Must be not less than 3.5 inches in diameter
- Must not be less than 35 feet in length
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
- Must have a permanent eye [loop] sliced at each end of the rope.
- The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.

- 
- The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
  - Must have a Tail Breaking Force of not less than 257,000 lbs.
  - Must be ISO 2307 rated

**Met:** Yes \_\_\_\_\_ No \_\_\_\_\_

**Page(s) in your proposal:** \_\_\_\_\_

Each 4.5 inch diameter rope tail Must have the following requirements:

- Must be not less than 4.5 inches in diameter
- Must not be less than 35 feet in length
- Must be made of nylon fiber with a proprietary coating to enhance performance in the marine environment.
- Must have a permanent eye [loop] sliced at each end of the rope.
- The permanent eye [loop] spliced into the rope Must be not less than 8 feet in size.
- The permanent eye [loop] spliced into the rope Must have a sleeve of a durable material to prevent chafing and reduce wear and tear common in the marine environment.
- Must have a Tail Breaking Force of not less than 411,000 lbs.
- Must be ISO 2307 rated

**Met:** Yes \_\_\_\_\_ No \_\_\_\_\_

**Page(s) in your proposal:** \_\_\_\_\_

Each shackle purchased for connecting ropes to rope tails, Must meet the following requirements:

- Have a Working Load Limit of not less than 50 tons
- Must have a coating to specifically prevent corrosion in its normal operating environment.

**Met:** Yes \_\_\_\_\_ No \_\_\_\_\_

**Page(s) in your proposal:** \_\_\_\_\_

**All other terms and conditions remain unchanged.**