



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Réception des soumissions - TPSGC / Bid Receiving  
- PWGSC

Voir dans le document/  
See herein

NA

Québec

NA

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government  
Services 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, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux 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, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> Manuf., Ass.& Destr. cables & Coils	
<b>Solicitation No. - N° de l'invitation</b> F7047-200080/A	<b>Date</b> 2020-10-07
<b>Client Reference No. - N° de référence du client</b> F7047-200080	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$QCN-042-18004	
<b>File No. - N° de dossier</b> QCN-0-43054 (042)	<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> <b>on - le 2020-10-29</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Heure Avancée de l'Est HAE
<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> Godin, Joanne	<b>Buyer Id - Id de l'acheteur</b> qcn042
<b>Telephone No. - N° de téléphone</b> (581) 397-6683 ( )	<b>FAX No. - N° de FAX</b> (418) 648-2209
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Pêches et Océans- GCC Infrastructures civiles et maritime 15 rue Prince Sorel Québec J3P4J4 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

TPSGC/PWGSC  
601-1550, Avenue d'Estimauville  
Québec  
Québec  
G1J 0C7

<b>Delivery Required - Livraison exigée</b> Voir Doc.	<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/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## **PART 1 - GENERAL INFORMATION**

### **1.1 Statement of Work**

The Work to be performed is detailed under Article 6.2 of the resulting contract clauses.

### **1.2 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.

### **1.3 epost Connect service**

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

## 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) (<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 or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

### 2.2 Submission of Bids

Bids must be submitted only to the Public Works and Government Services Canada (PWGSC) Bid Receiving Unit specified below by the date and time indicated on page 1 of the bid solicitation:

#### **PWGSC Québec Region Bid Receiving Unit**

Only bids submitted using epost Connect service will be accepted. The Bidder must send an email requesting to open an epost Connect conversation to the following address:

[TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca](mailto:TPSGC.RQReceptionSoumissions-QRSupplyTendersReception.PWGSC@tpsgc-pwgsc.gc.ca)

Note: **Bids will not be accepted if emailed directly to this email address.** This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

<https://buyandsell.gc.ca/steps-to-follow-for-the-bid-submission-to-bid-receiving-unit-bru-using-epost-connect>

It is the Bidder's responsibility to ensure the request for opening an epost Connect conversation is sent to the email address above at least six days before the solicitation closing date.

Bids transmitted by facsimile or hardcopy to PWGSC will not be accepted.

### 2.3 Former Public Servant

Contracts awarded to former public servants (FPS) in receipt of a pension or of a lump sum payment must bear the closest public scrutiny, and reflect fairness in the spending of public funds. In order to comply with Treasury Board policies and directives on contracts awarded to FPS, offerors must provide the information required below before the issuance of a standing offer. If the answer to the questions and, as applicable the information required have not been received by the time the evaluation of offers is completed, Canada will inform the Offeror of a time frame within which to provide the information. Failure to comply with Canada's request and meet the requirement within the prescribed time frame will render the offer non-responsive.

#### **Definitions**

For the purposes of this clause,

"former public servant" is any former member of a department as defined in the [Financial Administration Act](#) R.S., 1985, c. F-11, a former member of the Canadian Armed Forces or a former member of the Royal Canadian Mounted Police. A former public servant may be:

- a. an individual;
- b. an individual who has incorporated;
- c. a partnership made of former public servants; or
- d. a sole proprietorship or entity where the affected individual has a controlling or major interest in the entity.

"lump sum payment period" means the period measured in weeks of salary, for which payment has been made to facilitate the transition to retirement or to other employment as a result of the implementation of various programs to reduce the size of the Public Service. The lump sum payment period does not include the period of severance pay, which is measured in a like manner.

"pension" means a pension or annual allowance paid under the [Public Service Superannuation Act](#) (PSSA), R.S., 1985, c. P-36, and any increases paid pursuant to the [Supplementary Retirement Benefits Act](#), R.S., 1985, c. S-24 as it affects the PSSA. It does not include pensions payable pursuant to the [Canadian Forces Superannuation Act](#), R.S., 1985, c. C-17, the [Defence Services Pension Continuation Act](#), 1970, c. D-3, the [Royal Canadian Mounted Police Pension Continuation Act](#), 1970, c. R-10, and the [Royal Canadian Mounted Police Superannuation Act](#), R.S., 1985, c. R-11, the [Members of Parliament Retiring Allowances Act](#), R.S. 1985, c. M-5, and that portion of pension payable to the [Canada Pension Plan Act](#), R.S., 1985, c. C-8.

#### **Former Public Servant in Receipt of a Pension**

As per the above definitions, is the Offeror a FPS in receipt of a pension?

**YES ( ) NO ( )**

If so, the Offeror must provide the following information, for all FPS in receipt of a pension, as applicable:

- a. name of former public servant;
- b. date of termination of employment or retirement from the Public Service.

By providing this information, Offerors agree that the successful Offeror's status, with respect to being a former public servant in receipt of a pension, will be reported on departmental websites as part of the published proactive disclosure reports in accordance with [Contracting Policy Notice: 2019-01](#) and the [Guidelines on the Proactive Disclosure of Contracts](#).

#### **Work Force Adjustment Directive**

Is the Offeror a FPS who received a lump sum payment pursuant to the terms of the Work Force Adjustment Directive?

**YES ( ) NO ( )**

If so, the Offeror must provide the following information:

- a. name of former public servant;
- b. conditions of the lump sum payment incentive;

- c. date of termination of employment;
- d. amount of lump sum payment;
- e. rate of pay on which lump sum payment is based;
- f. period of lump sum payment including start date, end date and number of weeks;
- g. number and amount (professional fees) of other contracts subject to the restrictions of a work force adjustment program.

## 2.4 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.

## 2.5 Applicable Laws

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

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.

## 2.6 Bid Challenge and Recourse Mechanisms

- (a) Several mechanisms are available to potential suppliers to challenge aspects of the procurement process up to and including contract award.
- (b) Canada encourages suppliers to first bring their concerns to the attention of the Contracting Authority. Canada's [Buy and Sell](#) website, under the heading "[Bid Challenge and Recourse Mechanisms](#)" contains information on potential complaint bodies such as:
  - Office of the Procurement Ombudsman (OPO)
  - Canadian International Trade Tribunal (CITT)
- (c) Suppliers should note that there are **strict deadlines** for filing complaints, and the time periods vary depending on the complaint body in question. Suppliers should therefore act quickly when they want to challenge any aspect of the procurement process.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

The Bidder must submit its bid electronically in accordance with section 08 of the 2003 standard instructions. The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

The bid must be gathered per section and separated as follows:

Section I: Financial Bid  
Section II: Certifications

Bids transmitted by facsimile or hardcopy will not be accepted.

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

#### **Section I: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment.

##### **3.1.1 Exchange Rate Fluctuation**

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

##### **3.1.2 SACC Manual Clauses**

#### **Section II: 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**

Not applicable.

#### **4.1.1 Financial Evaluation**

##### **4.1.2.1 Mandatory Financial Criteria**

Bids will be evaluated based on the prices detailed in Annex "B" - Basis of Payment.

##### **4.1.2.2 Evaluation of price**

1. Bidders must submit firm prices, customs duties and excise taxes included, and Applicable Taxes excluded.
2. 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. Bidders must provide prices Delivered Duty Paid (DDP) Sorel Incoterms 2010 for shipments from a commercial contractor. Bids will be assessed on a DDP basis.

##### **4.1.1.3 Method of Evaluation**

As set out in Annex "B" – Basis of Payment, the Total Bid Evaluation Price will be the sum of the Total – Firm portion of work (*A*) and the Total– Optional portion of work (*B*).

The Total – Firm portion of work (*A*) is equal to the sum of the total firm prices for each of the items. The total firm price for each of the items is equal to the quantity multiplied by the firm unit price.

The Total – Optional portion of work (*B*) is equal to the sum of the prices calculated for each of the items. The price calculated for each of the items is equal to the estimated quantity multiplied by the firm unit price.

### **4.2 Basis of Selection**

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

## **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 specified otherwise, 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 section titled Information to be provided when bidding, contracting or entering into a real property agreement of 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](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

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.

## 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 the Contract.

### 6.2 Statement of Work

The Contractor must perform the Work in accordance with the Statement of Work at Annex "A".

#### 6.2.1 Optional Goods and/or Services

The Contracting Authority may exercise the option within 15 working days after contract award by sending a written notice to the Contractor.

### 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

[2010C](#) (2020-05-28), General Conditions - Services (Medium Complexity) apply to and form part of the Contract.

#### 6.3.2 Warranty

1. Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any provisions of the Contract or any condition, warranty or provision imposed by law, the Contractor, if requested by Canada to do so, must replace, repair or correct, at its own option and expense any work that becomes defective or fails to conform to the requirements of the Contract, where applicable. The warranty period will be 12 months after delivery and acceptance of the Work or the length of the Contractor's or manufacturer's standard warranty period, whichever is longer.
2. Canada must pay the transportation cost associated with returning the Work or any part of the Work to the Contractor's plant for replacement, repair or making good, and the Contractor must pay the transportation cost associated with forwarding the replacement or returning the Work or part of the Work when rectified to the delivery point specified in the Contract or to another location as directed by Canada. If, in the opinion of Canada, it is not expedient to remove the Work from its location, the Contractor must carry out any necessary repair or making good of the Work at that location and will be reimbursed its reasonable travel and living expenses.
3. The warranty period is automatically extended by the duration of any period or periods where the Work is unavailable for use or cannot be used because of a defect or non-conformance during the original warranty period. The warranty applies to any part of the Work replaced, repaired or corrected pursuant to subsection 1, for the greater of:
  - a. the warranty period remaining, including the extension, or

- b. 90 days or such other period as may be specified for that purpose by agreement between the Parties.

## 6.4 Term of Contract

### 6.4.1 Period of the Contract

The period of the Contract is from date of Contract to March 3, 2022 inclusive.

### 6.4.2 Delivery Date

All the deliverables must be received on or before March 3, 2021.

### 6.4.3 Delivery Points

Delivery of the requirement will be made to delivery point(s) specified at Annex "A" of the Contract.

## 6.5 Authorities

### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Joanne Godin  
Title: Supply Officer  
Public Works and Government Services Canada  
Acquisitions Branch  
Telephone: 581-397-6683  
Facsimile: 418-648-2209  
E-mail address: [joanne.godin2@tpsgc-pwgsc.gc.ca](mailto:joanne.godin2@tpsgc-pwgsc.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 Project Authority *(will be completed at contract award)*

The Project Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_

Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Project 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 Project Authority, however the Project 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.

**6.5.3 Contractor's Representative** *(will be completed at contract award)*

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

E-mail address: \_\_\_\_\_

**6.6 Proactive Disclosure of Contracts with Former Public Servants**

By providing information on its status, with respect to being a former public servant in receipt of a [Public Service Superannuation Act](#) (PSSA) pension, the Contractor has agreed that this information will be reported on departmental websites as part of the published proactive disclosure reports, in accordance with [Contracting Policy Notice: 2019-01](#) of the Treasury Board Secretariat of Canada.

**6.7 Payment**

**6.7.1 Basis of Payment**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid a firm price as specified in Annex "B" for a cost of \$ \_\_\_\_\_. Customs duties are included and Applicable Taxes are 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.

**6.7.2 Terms of Payment**

SACC Manual clause [H1000C](#) (2008-05-12), Single Payment

**6.7.3 Electronic Payment of Invoices – Contract**

The Contractor accepts to be paid using the following Electronic Payment Instrument:

- Direct Deposit (Domestic and International)

**6.8 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.
  - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

## 6.9 Certifications and Additional Information

### 6.9.1 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.

### 6.10 Applicable Laws

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

### 6.11 Priority of Documents

If there is a discrepancy between the wording 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 [2010C](#) (2020-05-28) General Conditions - Services (Medium Complexity);
- (e) Annex "A", Statement of Work;
- (d) Annex "B", Basis of Payment;
- (e) the Offeror's offer dated \_\_\_\_\_ (*will be completed at contract award*).

### 6.12 Insurance

SACC Manual clause [G1005C](#) (2016-01-28) Insurance - No Specific Requirement

### 6.13 Dispute Resolution

- (a) The parties agree to maintain open and honest communication about the Work throughout and after the performance of the contract.
- (b) The parties agree to consult and co-operate with each other in the furtherance of the contract and promptly notify the other party or parties and attempt to resolve problems or differences that may arise.
- (c) If the parties cannot resolve a dispute through consultation and cooperation, the parties agree to consult a neutral third party offering alternative dispute resolution services to attempt to address the dispute.
- (d) Options of alternative dispute resolution services can be found on Canada's Buy and Sell website under the heading "[Dispute Resolution](#)".

## ANNEX "A" – REQUIREMENT

Title: Manufacture, Assembly and Destruction of Cables and Coils

### 1. CONTEXT

The Canadian Coast Guard (CCG) Hydraulic Engineering Sector, Department of Fisheries and Oceans Canada (DFO), owns ice retention booms in the St. Lawrence River.

The booms are equipped with several steel cables, some of which must be manufactured, assembled or destroyed. Steel coils must also be manufactured.

The Contractor will be required to:

- 1.1 Destroy the following steel cables:

Deliverables	Diameter (mm)	Length (m)	Quantity	Cable type
A1	60.3	61.0	1	Anchor cable
A2	50.8	61.0	2	Anchor cable

- 1.2 Disassemble and destroy the following steel cables:

Deliverables	Diameter (mm)	Length (m)	Quantity	Cable type
B1	50.8	152.4	2	Section cable
B2*	50.8	152.4	5	Section cable

*\*The difference between deliverables B1 and B2 is described in the notes for table 4.2.1*

- 1.3 Cut and socket the following steel cables\*:

Deliverables	Diameter (mm)	Length (m)	Quantity	Cable type
C1	60.3	61.0	1	Anchor cable
C2	50.8	61.0	2	Anchor cable
C3	50.8	76.2	5	Anchor cable

*\*All steel cables are provided by DFO*

- 1.4 Cut, socket and assemble the following steel cables\*:

Deliverables	Diameter (mm)	Length (m)	Quantity	Cable type
D1	50.8	152.4	6	Section cable

*\*All steel cables are provided by DFO*

- 1.5 **Deliverable D2:** Manufacture 576 aluminum sleeves required for deliverable D1;

- 1.6 **Deliverable E1:** Manufacture 5 steel coils, 1.6 m tall, in accordance with the **plan 08141-05b** set out in Appendix 1 of this Annex.

## 2. GLOSSARY

This glossary is required to understand the mandate.

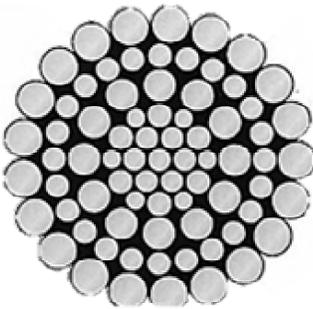
Anchor cable	Steel cable, structural strand - helical steel wire type, with a diameter of 50.8 mm or 60.3 mm and a length of 38.1 m to 76.2 m. There are <b>open spelter sockets</b> at the ends of the cable.
Section cable	Steel cable, bridge rope – IWRC type, with a diameter of 50.8 mm and a length of 152.4 m. There are <b>open spelter sockets</b> at the ends of the cable. The cable is equipped with <b>clamps</b> at certain distances from one end.
Open spelter socket	Termination of a section cable or anchor cable installed by <b>socketing</b> the cable in an <b>open spelter</b> socket.
Socketing	Technique used to secure an <b>open spelter</b> socket to the end of a cable. The technique involves casting hot zinc or using WireLock in an <b>open spelter</b> socket.
Clamp	Clamps are assembled in pairs and attached onto <b>sleeves</b> on a <b>section cable</b> . They are tightened to a torque of 850 ft/lbs.
Sleeve	Piece of aluminum inserted between a <b>clamp</b> and a <b>section cable</b> . Sleeves are crushed and deformed under the pressure of the <b>clamps</b> .
Coil / custom coil	Custom-made steel hexagonal coil used to roll up various cables once they have been cut, <b>socketed</b> and assembled.
Reel	Wood or steel reel on which steel cables are delivered.
DFO Representative	Person acting as project manager for DFO.

### 3. DESCRIPTION OF COMPONENTS

This section describes the main specifications of each component.

#### 3.1 ANCHOR CABLE

3.1.1 Anchor cables are made of standard steel wire. They have the following properties:

Type	Structural strand - Helical Steel Wire;   Typical cable section
Lubrication	None
Coating	Zinc galvanized, or Galfan coated
Diameter	50.8 mm, or 60.3 mm
Estimated linear weight	13 kg/m (50.8 mm diameter), or 17 kg/m (60.3 mm diameter)

3.1.2 There are three lengths of anchor cables: 38.1 m, 61.0 m, and 76.2 m;

3.1.3 The ends of an anchor cable are finished with an open spelter socket:  
 ▪ Crosby G-416 2" - 2-1/8" (for cables with a diameter of 50.8 mm), or  
 ▪ Crosby G-416 2-3/4" - 2-7/8" (for cables with a diameter of 60.3 mm)

3.1.4 50.8mm anchor cables take Crosby G-416 2" - 2-1/8" sockets. A cable of this diameter and structural type does not comply with the socket specifications, but the design is acceptable for the purposes for which the cable is used;

3.1.5 The sockets are attached to the anchor cable using the appended socketing procedure which can be found in Appendix 1 of this Annex (***Culottage - Socketting.pdf***);

3.1.6 When anchor cables are being stored or are on land, they are carefully rolled onto a steel coil, with one cable per coil.

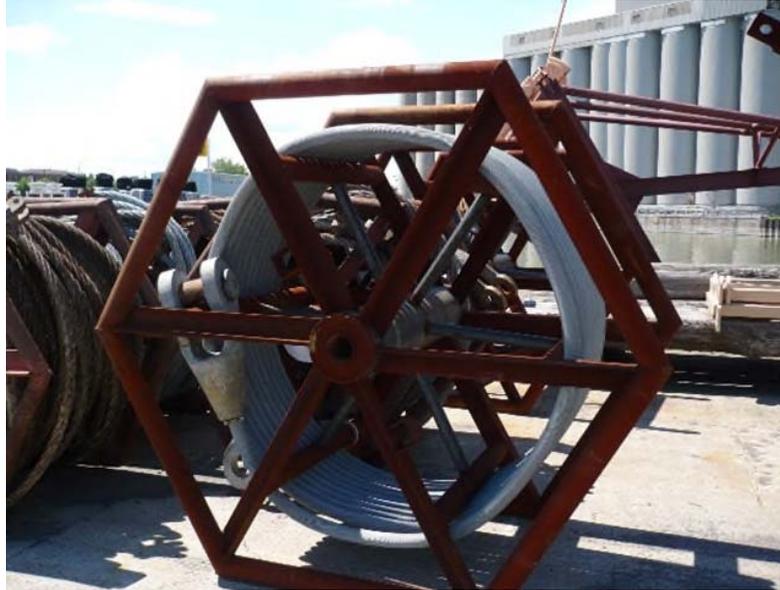
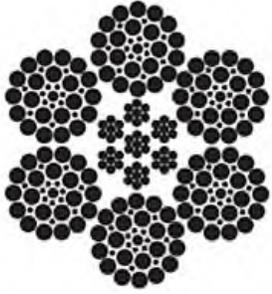


Figure 1: Carefully rolled anchor cables

### 3.2 SECTION CABLE

3.2.1 Section cables are made of standard steel wire. They have the following properties:

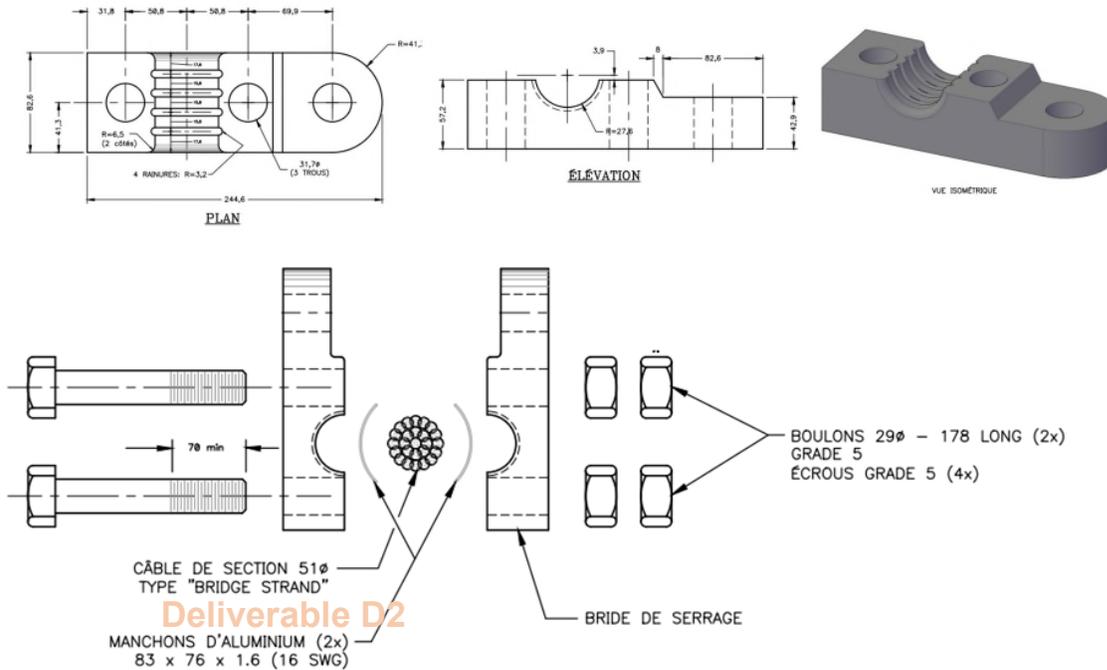
Type	Bridge rope IWRC.*  Typical cable section <i>*IWRC: Independent wire rope core. Some cables may have a fiber core.</i>
Lubrication	None
Coating	Zinc galvanized
Diameter	50.8 mm
Estimated linear weight	10 kg/m

3.2.2 There is one length of section cable: 152.4 m;

3.2.3 The ends of a section cable are finished with a Crosby G-416 2" - 2-1/8" an open spelter socket;

3.2.4 The sockets are attached to the section cable using the appended socketing procedure which can be found in Appendix 1 of this Annex (***Culottage - Socketting.pdf***);

3.2.5 Clamps are then assembled on the section cables. Each section cable is equipped with 24 pairs of clamps. The following diagrams show clamp details :



3.2.6 Each bolt-nut/locknut set is tightened to a torque of **850 ft/lbs**;

3.2.7 Bolts are 1-1/8" x 7" with a 1-11/16" hexagonal head;

3.2.8 The corresponding nuts are 1" thick;

3.2.9 Two aluminum sleeves are placed between the cable and the clamps. They deform under the torque pressure;

3.2.10 Once assembly is complete, a 25.4mm shackle must be easily inserted into the tabs on the clamps;

3.2.11 One section cable has 24 pairs of clamps, for a total of 48 clamps, 48 bolts and 96 nuts. The weight of the assembly adds approximately 360 kg per section cable;

3.2.12 When section cables are being stored or are on land, they are carefully rolled onto a steel coil, with one cable per coil;

3.2.13 The following table shows the various clamp chainings from one end of a cable:

#	Chaining (')	Chaining (m)	#	Chaining (')	Chaining (m)	#	Chaining (')	Chaining (m)
1	11	3.4	9	179	54.6	17	351	107.0
2	20	6.1	10	192	58.5	18	364	110.9
3	50	15.2	11	222	67.7	19	394	120.1
4	63	19.2	12	235	71.6	20	407	124.1
5	93	28.3	13	265	80.8	21	437	133.2
6	106	32.3	14	278	84.7	22	450	137.2
7	136	41.5	15	308	93.9	23	480	146.3
8	149	45.4	16	321	97.8	24	489	149.0

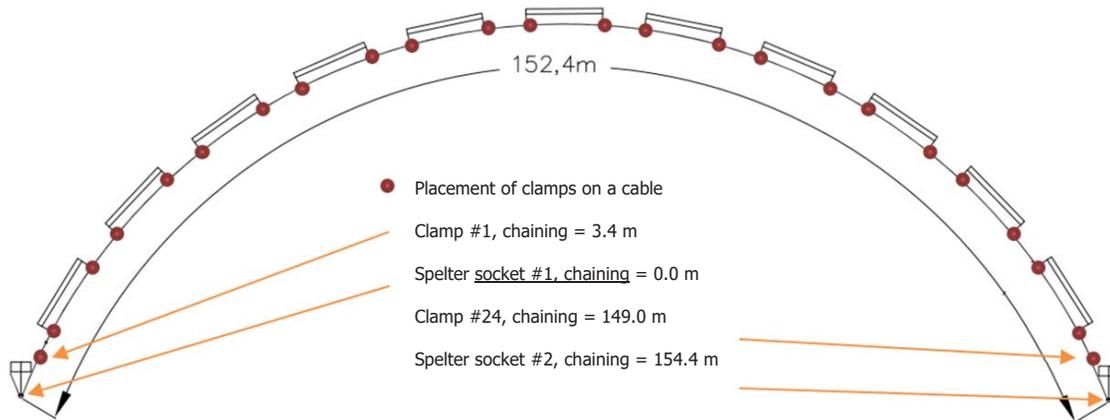


Figure 2: Clamps assembled on a section cable

### 3.3 CUSTOM COILS

- 3.3.1 The coils used to roll up cables are specially designed to be lifted by a crane. There are two sizes: 1.6 m and 1.9 m;
- 3.3.2 Cables with a 50.8mm diameter are rolled onto 1.6-m coils, whether they are anchor cables or section cables;
- 3.3.3 Cables with a 60.3mm diameter are rolled onto 1.9-m coils;
- 3.3.4 Each coil is equipped with an identification plate stating its capacity, which does not exceed 2070 kg;
- 3.4.5 Empty coils weigh nearly 550 kg;

## 4. TASKS

### 4.1 DESTRUCTION OF ANCHOR CABLES

- 4.1.1 First, the Contractor is required to destroy the following anchor cables:

Deliverables	Diameter (mm)	Length (m)	Quantity	Notes
A1	60.3	61.0	1	Sockets are already cut
A2	50.8	61.0	2	Sockets are already cut

- 4.1.2 These cables are rolled onto coils of the appropriate size: 1.6-m coils for cables with a 50.8mm diameter and 1.9-m coils for cables with a 60.8mm diameter;
- 4.1.3 Where an open spelter sockets are still attached to the cables, the Contractor will be required to cut the cable at a distance of 100 mm to 150 mm from the open spelter socket. Those that have been socketed must be submitted to DFO;
- 4.1.4 All coils must be submitted to DFO. Some will be used to roll new anchor cables manufactured and others will remain empty;
- 4.1.5 Remaining cables will be at the Contractor's disposal for scrap metal. DFO will not recover scrap metal. The linear weight of the 50.8mm and 60.3mm cables is 13 kg/m and 17 kg/m respectively;
- 4.1.6 The dimensions are provided for information purposes only, and do not take into account cable wear and fatigue. For example, a steel cable fresh from the factory has a diameter of 50.8 mm, but after exposure to its life cycle, its diameter may decrease. The same goes for all the other properties listed in the tables in **Sections 3.1 and 3.2**;
- 4.1.7 Anchor cables may be cut using several methods. Concrete saws are generally very effective.

## 4.2 DESTRUCTION AND DISASSEMBLY OF SECTION CABLES

4.2.1 The Contractor will then be required to destroy and disassemble the following section cables:

Deliverables	Diameter (mm)	Length (m)	Quantity	Notes
B1	50.8	152.4	2	Sockets are already cut
B2	50.8	152.4	5	Sockets <b>are not</b> cut

4.2.2 These cables are rolled onto 1.6-m coils;

4.2.3 Where an open spelter sockets are still attached to the cables, the Contractor will be required to cut the cable at a distance of 100 mm to 150 mm from the a open spelter socket. Those that have been socketed must be submitted to DFO;

4.2.4 The Contractor will then disassemble all clamps on the section cable. Wear and corrosion make unbolting very difficult, so bolts and nuts/locknuts may be cut using a torch or another method. However, clamps must not be damaged in the process. All clamps will be submitted to DFO. Bolts, nuts/locknuts and sleeves from the destruction process will be at the Contractor's disposal for scrap metal;

4.2.5 DFO can provide a hydraulic bolt cutter to the Contractor upon request;

4.2.6 All coils must be submitted to DFO;

4.2.7 Remaining cables will be at the Contractor's disposal for scrap metal. DFO will not recover scrap metal. The linear weight of the cables is 11 kg/m;

4.2.8 The dimensions are provided for information purposes only, and do not take into account cable wear and fatigue. For example, a steel cable fresh from the factory has a diameter of 50.8 mm, but after exposure to its life cycle, its diameter may decrease. The same goes for all other properties;

4.2.9 Section cables may be cut using several methods. Concrete saws are generally very effective.

## 4.3 CUTTING AND SOCKETING OF ANCHOR CABLES

4.3.1 The Contractor will be required to cut and socket the following anchor cables:

Deliverables	Diameter (mm)	Length (m)	Quantity	Cable type
C1	60.3	61.0	1	Anchor cable
C2	50.8	61.0	2	Anchor cable
C3	50.8	76.2	5	Anchor cable

4.3.2 **Section 3.1 Anchor cable** provides the technical specifications of the anchor cables. These specifications must be respected;

4.3.3 DFO will provide the Contractor with a sufficient quantity of steel cables. The cables are rolled onto reels. The length of cable remaining on each reel is variable, but will not exceed 304.8 m. The priority order of reels to be used will be provided at contract award;

- 4.3.4 DFO will provide the Contractor with a sufficient quantity of an open spelter sockets, with two sockets per deliverable cable;
- 4.3.5 The Contractor will measure and cut the cables to the desired lengths. **Warning:** if the cables are not restrained with collars, they will release violently. This may cause injuries and damage the materials;
- 4.3.6 The Contractor will socket each end of the cable using the method set out in Appendix 1 of this Annex (**Culottage - Socketting.pdf**). Please note that 50.8mm anchor cables take Crosby G-416 2" - 2-1/8" sockets. A cable of this diameter and structural type does not technically comply with the socket specifications, but the design is acceptable for the purposes for which the cable is used;
- 4.3.7 The Contractor will then carefully roll the cables onto steel coils. The priority order of coils to be used will be provided at contract award;
- 4.3.8 **Section 5 Handling of steel cables and coils** must be respected.

#### 4.4 CUTTING, SOCKETING AND ASSEMBLY OF SECTION CABLES

- 4.4.1 The Contractor will cut, socket and assemble the following section cables:

Deliverables	Diameter (mm)	Length (m)	Quantity	Notes
D1	50.8	152.4	6	Deliverable D2 is essential to the completion of deliverable D1 (see Sections 1.5 and 3.2)

- 4.4.2 **Section 3.2 Section cable** provides the technical specifications of the section cables. These specifications must be respected;
- 4.4.3 DFO will provide the Contractor with a sufficient quantity of steel cables. The cables are rolled onto reels. The length of cable remaining on each reel is either 152.4 m or 304.8 m. The priority order of reels to be used will be provided at contract award.
- 4.4.4 DFO will provide the Contractor with a sufficient quantity of open spelter sockets, with two sockets per deliverable cable;
- 4.4.5 The Contractor will measure and cut the cables to a length of 152.4 m. **Warning:** if the cables are not restrained with collars, they will release violently. This may cause injuries and damage the materials;
- 4.4.6 The Contractor will socket each end of the cable using the method set out in Appendix 1 of this Annex (**Culottage - Socketting.pdf**);
- 4.4.7 The Contractor will assemble the clamps with the chainings set out in **Section 3.2.13**;
- 4.4.8 DFO will provide the Contractor with a sufficient quantity of bolts and nuts/locknuts, with 48 bolts and 96 nuts per deliverable cable;
- 4.4.9 DFO will not provide aluminum sleeves. The Contractor will provide the aluminum sleeves set out in **Section 3.2 Section cable**, with 96 sleeves per deliverable cable. The Contractor will manufacture 576 sleeves in accordance with **Section 3.2.5 – Deliverable D2**. Curvature of the sleeves is required for correct assembly;

- 4.4.10 Once the assembly is tightened to a torque of 850 ft/lbs, the Contractor must ensure that a 25.4mm shackle can be easily inserted into the tabs on the clamps; otherwise, the assembly must be redone. DFO will provide a 25.4mm shackle to that end;
- 4.4.11 DFO can provide an electric bolt tightener to the Contractor upon request. The bolt tightener will enable the Contractor to reach the required torque of 850 ft/lbs;
- 4.4.12 The Contractor will then carefully roll the cables onto the steel coils. The order of priority for use of the coils will be provided at contract award. The section cables will be rolled onto new coils first;
- 4.4.13 **Section 5 Handling of steel cables and coils** must be respected.

#### 4.5 MANUFACTURE OF COILS

- 4.5.1 The Contractor will manufacture five 1.6-m steel coils – **Deliverable E1** (see Section 1.6);
- 4.5.2 The coils must be in accordance with the **plan 08141-05b** set out in Appendix 1 of this Annex.
- 4.5.3 DFO may provide a CAD (*Computer Aided Design*) version to the Contractor upon request;
- 4.5.4 The Contractor must be aware of and comply with all instructions set out in the plan;
- 4.5.5 The format of serial numbers on identification plates must be 2021-##, with ## being the sequential number of the coil (starting with 01, then 02, 03, etc.).

## **5. HANDLING OF STEEL CABLES AND COILS**

- 5.1 **DFO will not provide a cable winder. The method used will be at the Contractor's discretion. Upon request by DFO, the Contractor must describe the method to be used to roll and unroll the cables on the coils;**
- 5.2 To maintain cable integrity, cables may not be unrolled on an abrasive surface, such as concrete or asphalt. If there is any doubt, the Contractor must validate methods with DFO. DFO can provide a sufficient quantity of rubber mats to the Contractor upon request;
- 5.3 Cables with a 50.8mm diameter are rolled onto 1.6-m coils, whether they are anchor cables or section cables. Cables with a 60.3mm diameter are rolled onto 1.9-m coils;
- 5.4 Coils must never be moved, rolled or unrolled if the pins and pegs on the cable's open spelter sockets are open. The sockets are relatively fragile and can break if they are not closed;
- 5.5 The pins must be inserted into the pegs and slightly bent so that the pins can be reused;
- 5.6 The open spelter socket entering a coil must be installed with its pin and peg;
- 5.7 The open spelter socket exiting a coil must be closed with its pin and peg and attached to the coil with a wire or rope for safe transport;
- 5.8 The open spelter socket exiting a coil must never be placed directly on the ground to avoid damage;
- 5.9 Due to their clamps, section cables require special attention during rolling and unrolling. Cables must not be coming off the coil when they are completely rolled up.

## 6. MATERIALS PROVIDED BY DFO

### 6.1 LIST OF RAW MATERIALS PROVIDED BY DFO

For the purposes of the mandate, DFO will provide the following raw materials to the Contractor:

Art.	Deliverable	Item	Quantity	Estimated unit weight (kg)*	Notes
1	A1	Anchor cable to be destroyed: 60.3 mm diameter, 61.0 m long	1	1037	No socket
2	A1	1.9 m coil	1	550	The coil will be used for deliverable C1
3	A2	Anchor cable to be destroyed: 60.3 mm diameter, 61.0 m long	2	793	No socket
4	A2	1.6 m coil	2	525	The coils will be used for deliverable C2
5	B1	Section cable to be destroyed: 60.3 mm diameter, 61.0 m long (48 clamps each)	2	1954	No socket, 48 clamps per cable to be submitted to DFO
6	B1	1.6 m coil	2	525	One of these coils will be used for deliverable D1
7	B2	Section cable to be destroyed: 60.3 mm diameter, 61.0 m long (48 clamps and two sockets each)	5	2070	48 clamps per cable to be submitted to DFO
8	B2	1.6 m coil	5	525	The coils will be used for deliverable C3
9	C1	Steel cable: 60.3 mm diameter, at least 61.0 m long	1	1037	(Minimum weight)
10	C1	<u>Crosby G-416 2-3/4" - 2-7/8"</u> open spelter sockets	2	142	
11	C2 / C3	Steel cable: 50.8 mm diameter, at least 503 m*  <i>*Cable will be delivered on several reels to meet the needs for deliverables. Each reel will contain no more than <u>304.8 m</u> of cable.</i>	1	6539	(Minimum weight)

12	<b>C2 / C3</b>	<i>Crosby G-416 2" - 2-1/8"</i> open spelter sockets	14	58	
13	<b>D1</b>	Steel cable: 50.8 mm diameter, at least 914.4 m*  <i>*Cable will be delivered on several reels to meet the needs for deliverables. Each reel will contain no more than <u>304.8 m</u> of cable, and no more than <u>1066.8 m</u> will be delivered.</i>	1	10668	(Maximum weight)  One coil from deliverable B1 and the coils from deliverable E1 will be used to roll the cables.  The other coil will be sent with the deliverables.
14	<b>D1</b>	<i>Crosby G-416 2" - 2-1/8"</i> open spelter sockets	12	58	
15	<b>D1</b>	Clamps	288	7.5	
16	<b>D1</b>	Bolts	288+		(Weight included in clamps)
17	<b>D1</b>	Nuts	576+		(Weight included in clamps)
18	<b>All</b>	25.4 mm shackle	2+		
19	<b>All</b>	Pins for pegs on open spelter sockets	40+		

***\*Weights are provided for information purposes and may vary.***

6.1.1 The list of materials is provided for bid planning purposes only;

6.1.2 The official list may differ slightly depending on the options selected by the Contractor, specifically with respect to specialized tools (bolt cutter, bolt tightener, rubber mats);

6.1.3 The list of materials can be finalized at the start-up meeting.

## **6.2 MATERIALS LOANED TO THE CONTRACTOR**

6.2.1 All materials loaned to the Contractor are and will remain the property of the Department. Unless otherwise indicated, they must be returned to DFO upon submission of the deliverables;

6.2.2 Liability for materials and tools will begin when they are loaded for transport to the Contractor's work site. It will end when they are unloaded at DFO facilities upon delivery;

6.2.3 No additional fees may be claimed due to the breakdown of a tool, loaned or otherwise. Tools broken as a result of negligence or incorrect use by the Contractor will be repaired or replaced at the Contractor's expense;

6.2.4 The Contractor is responsible for taking care of the materials and tools provided. For example, tools should be stored in a dry area that protects them from damage;

6.2.5 Reels still containing steel cable must be returned to DFO upon completion of the mandate. However, the Contractor may choose to keep empty reels.

## **7. PICKUP AND DELIVERY OF MATERIALS**

7.1.1 All materials provided by DFO and all deliverables must be picked up and delivered, at the Contractor's expense, at the following address:

*Canadian Coast Guard Base  
15 Prince Street  
J3P 4J4  
Sorel, QC, Canada*

7.1.2 Personnel and a forklift will be available to assist the Contractor at the pickup/delivery point during regular operating hours. The Contractor is responsible for the cargo. The first pickup can be coordinated at the start-up meeting;

7.1.3 To use the unloading equipment, items must be delivered on open flatbed semi-trailers or low-beds;

7.1.4 Many operations take place at the CCG base. To ensure availability and site access, the Contractor must coordinate pickup and delivery with the DFO Representative. Coordination must be submitted to DFO at least 5 business days in advance, and must be approved by the DFO Representative, who will coordinate with the CCG base;

7.1.5 The Contractor will be responsible for transportation fees for optional materials and deliverables.

## **8. START-UP MEETING**

8.1.1 A start-up meeting will be held with the Contractor and the DFO Representative within 10 business days of contract award. The meeting will be an opportunity to introduce the project officers for each party and coordinate transportation;

8.1.2 The meeting will be held remotely in the official language of the Contractor's choice.

## **9. VISIT AND WORK PROGRESS**

9.1.1 The Contractor must keep the DFO Representative up to date on the completion of new deliverables and any questions or issues;

9.1.2 The DFO Representative may request updates on the progress of the work and photos of completed deliverables. The Contractor must respond to these requests within 5 business days;

9.1.3 All requests requiring decisions must be submitted in writing.

## 10. INSPECTION UPON DELIVERY

10.1.1 Upon receipt of the deliverables, the DFO Representative will inspect the items to ensure that the services rendered are compliant with the plans and specifications;

10.1.2 In the event of a non-compliance, the Contractor will be notified as soon as possible. Depending on the remaining time, the Contractor may be required to correct the deliverables to render them compliant at its own expense.

10.1.3 The Contractor may also be held liable for damages to equipment and materials loaned by DFO. For example, if the Contractor cuts a cable to an incorrect length, the cable becomes useless to DFO, and the Contractor will be required to remedy the issue.

## 11. DELIVERABLES

### 11.1 FIRM DELIVERABLES/(firm portion of work)

The following table lists the deliverables required from the Contractor:

<b>Deliverables</b>	<b>Item</b>	<b>Quantity</b>
<b>A1</b>	Destruction of anchor cable, 60.3 mm x 61.0 m, no open spelter socket	1
<b>A2</b>	Destruction of anchor cable, 50.8 mm x 61.0 m, no open spelter socket	2
<b>B1</b>	Destruction and disassembly of section cable, 50.8 mm x 152.4 m, no open spelter socket	2
<b>B2</b>	Destruction and disassembly of section cable, 50.8 mm x 152.4 m	5
<b>C1</b>	Cutting and socketing of anchor cable, 60.3 mm x 61.0 m	1
<b>C2</b>	Cutting and socketing of anchor cable, 50.8 mm x 61.0 m	2
<b>C3</b>	Cutting and socketing of anchor cable, 50.8 mm x 76.2 m	5
<b>D1</b>	Cutting, socketing and assembly of section cable	6
<b>D2</b>	Manufacture of aluminum sleeves, 83 mm x 72 mm x 1.6 mm	576
<b>E1</b>	Manufacture of coils	5

## 11.2 OPTIONAL DELIVERABLES/(Optional portion of work)

<b>Deliverables</b>	<b>Item</b>	<b>Quantity</b>
<b>A1-Option</b>	Destruction of anchor cable, 60.3 mm x 61.0 m	2
<b>A2-Option</b>	Destruction of anchor cable, 50.8 mm x 61.0 m	2
<b>C1-Option</b>	Cutting and socketing of anchor cable, 60.3 mm x 61.0 m	1
<b>C2-Option</b>	Cutting and socketing of anchor cable, 50.8 mm x 61.0 m	2
<b>C3-Option</b>	Cutting and socketing of anchor cable, 50.8 mm x 76.2 m	1
<b>E1-Option1</b>	Manufacture of coils	1
<b>E1-Option2</b>	Manufacture of coils	2
<b>E1-Option3</b>	Manufacture of coils	3

## 12. DEADLINE

All deliverables, materials loaned by DFO and remaining items (cut/socketed sockets, disassembled clamps, empty coils, reels with steel cable) must be delivered to the delivery site by **March 3, 2021, at 3:00 p.m.**

Solicitation No. - N° de l'invitation  
F7047-200080/A  
Client Ref. No. - N° de réf. du client  
F7047-200080

Amd. No. - N° de la modif.  
File No. - N° du dossier  
QCN-0-43054

Buyer ID - Id de l'acheteur  
qcn042  
CCC No./N° CCC - FMS No./N° VME

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## **APPENDIX 1 OF ANNEX "A"**

See electronic Annexes:

- Socketting procedure --> **Culottage - Socketting**
- Coils 1.6m--> **plan 08141-05b**

## ANNEX “B” – BASIS OF PAYMENT

Bidder must complete the last 2 columns of the following tables (B1 & B2):

**Table 1: Firm portion of work**

Item	Ref.	Description	Qty	UD	Firm Unit Price	Total Firm Price
1	A1	Destruction of anchor cable, 60.3 mm x 61.0 m, no open spelter socket	1	EACH	_____ \$	_____ \$
2	A2	Destruction of anchor cable, 50.8 mm x 61.0 m, no open spelter socket	2	EACH	_____ \$	_____ \$
3	B1	Destruction and disassembly of section cable, 50.8 mm x 152.4 m, no open spelter socket	2	EACH	_____ \$	_____ \$
4	B2	Destruction and disassembly of section cable, 50.8 mm x 152.4 m	5	EACH	_____ \$	_____ \$
5	C1	Cutting and socketing of anchor cable, 60.3 mm x 61.0 m	1	EACH	_____ \$	_____ \$
6	C2	Cutting and socketing of anchor cable, 50.8 mm x 61.0 m	2	EACH	_____ \$	_____ \$
7	C3	Cutting and socketing of anchor cable, 50.8 mm x 76.2 m	5	EACH	_____ \$	_____ \$
8	D1	Cutting, socketing and assembly of section cable	6	EACH	_____ \$	_____ \$
9	D2	Manufacture of aluminum sleeves, 83 mm x 72 mm x 1.6 mm	576	EACH	_____ \$	_____ \$
10	E1	Manufacture of coils	5	EACH	_____ \$	_____ \$
11	-	Pickup and delivery of materials, in accordance with Section 7 of Annex “A”	1	LOT	_____ \$	_____ \$
<b>TOTAL – Firm portion of work =</b>						_____ \$ (A)
<b>Note: Prices in Canadian dollars excluding sales Taxes.</b>						

See Table B2 next page

**Table 2: Optional portion of work**

Art.	Ref.	Description	Estimated Qty	UD	Firm Unit Price	Calculated Price
1	<b>A1-Option</b>	Destruction of anchor cable, 60.3 mm x 61.0 m*	2	EACH	_____ \$	_____ \$
2	<b>A2-Option</b>	Destruction of anchor cable, 50.8 mm x 61.0 m*	2	EACH	_____ \$	_____ \$
3	<b>C1-Option</b>	Cutting and socketing of anchor cable, 60.3 mm x 61.0 m*	1	EACH	_____ \$	_____ \$
4	<b>C2-Option</b>	Cutting and socketing of anchor cable, 50.8 mm x 61.0 m*	2	EACH	_____ \$	_____ \$
5	<b>C3-Option</b>	Cutting and socketing of anchor cable, 50.8 mm x 76.2 m*	1	EACH	_____ \$	_____ \$
6	<b>E1-Option 1</b>	Manufacture of coils*	1	EACH	_____ \$	_____ \$
7	<b>E1-Option 2</b>	Manufacture of coils*	2	EACH	_____ \$	_____ \$
8	<b>E1-Option 3</b>	Manufacture of coils*	3	EACH	_____ \$	_____ \$
<b>TOTAL – Optional portion of work =</b>						_____ \$ (B)
<b>Note: Prices in Canadian dollars excluding sales Taxes.</b>						

**NOTE 1:**

\*Pickup and delivery of materials included, in accordance with Section 7 of Annex "A".

See Table B3 next page

Solicitation No. - N° de l'invitation  
F7047-200080/A  
Client Ref. No. - N° de réf. du client  
F7047-200080

Amd. No. - N° de la modif.  
File No. - N° du dossier  
QCN-0-43054

Buyer ID - Id de l'acheteur  
qcn042  
CCC No./N° CCC - FMS No./N° VME

**Table 3: Total Bid Evaluation Price – For evaluation purpose only**

<b>Total Bid Evaluation Price (A) + (B) =</b>	_____ \$
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**NOTE 2:**

*Table B2 of Annex "B" includes the Estimated Quantity and Calculated Price columns.  
Upon Contract Award, wording that is italicized in Table B2 and Table B3 will be deleted from Annex "B".  
Estimated quantities in Table B2 are based on forecasted requirements by Fisheries and Oceans Canada and may not represent the actual required amounts.*