



## RETURN BIDS TO:

## RETOURNER LES SOUMISSIONS À:

Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions  
Travaux publics et Services gouvernementaux  
Canada

See herein for bid submission  
instructions/

Voir la présente pour les  
instructions sur la présentation  
d'une soumission

NA

British Columbia

## 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**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du**

**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Public Works and Government Services Canada - Pacific  
Region

401 - 1230 Government Street

Victoria, B. C.

V8W 3X4

<b>Title - Sujet</b> CCGS S.W. Laurier - Load Cells	
<b>Solicitation No. - N° de l'invitation</b> F1782-20C164/A	<b>Date</b> 2020-10-09
<b>Client Reference No. - N° de référence du client</b> F1782-20C164	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$XLV-166-8065	
<b>File No. - N° de dossier</b> XLV-0-43082 (166)	<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 2020-11-02</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Pacific Standard Time PST
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Castle, David G.	<b>Buyer Id - Id de l'acheteur</b> xlvl66
<b>Telephone No. - N° de téléphone</b> (250) 217-6555 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> Fisheries and Oceans Canada See herein	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b> See Herein	<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>

## TABLE OF CONTENTS

<b>PART 1 - GENERAL INFORMATION .....</b>	<b>2</b>
1.1 REQUIREMENT .....	2
1.2 DEBRIEFINGS .....	2
1.3 EPOST CONNECT SERVICE .....	2
<b>PART 2 - BIDDER INSTRUCTIONS .....</b>	<b>2</b>
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS .....	2
2.2 SUBMISSION OF BIDS.....	2
2.3 ENQUIRIES - BID SOLICITATION.....	3
2.4 APPLICABLE LAWS.....	3
2.5 BID CHALLENGE AND RECOURSE MECHANISMS.....	3
<b>PART 3 - BID PREPARATION INSTRUCTIONS .....</b>	<b>4</b>
3.1 BID PREPARATION INSTRUCTIONS .....	4
<b>PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION .....</b>	<b>5</b>
4.1 EVALUATION PROCEDURES.....	5
4.2 BASIS OF SELECTION.....	5
<b>PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION .....</b>	<b>6</b>
5.1 CERTIFICATIONS REQUIRED WITH THE BID .....	6
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION .....	6
<b>PART 6 - RESULTING CONTRACT CLAUSES .....</b>	<b>7</b>
6.2 REQUIREMENT .....	7
6.3 STANDARD CLAUSES AND CONDITIONS .....	7
6.4 TERM OF CONTRACT .....	7
6.5 AUTHORITIES .....	7
6.6 PAYMENT .....	9
6.7 INVOICING INSTRUCTIONS .....	9
6.8 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	9
6.9 APPLICABLE LAWS.....	10
6.10 PRIORITY OF DOCUMENTS .....	10
<b>ANNEX A – REQUIREMENT .....</b>	<b>11</b>
<b>ANNEX B – BASIS OF PAYMENT.....</b>	<b>23</b>
<b>ANNEX D – TECHNICAL EVALUATION .....</b>	<b>25</b>
<b>ANNEX E - BID SUBMISSION CHECK LIST.....</b>	<b>27</b>
<b>ANNEX F - ELECTRONIC PAYMENT INSTRUMENTS.....</b>	<b>29</b>
<b>ANNEX G – INTEGRITY REGIME – LIST OF NAMES .....</b>	<b>30</b>

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## PART 1 - GENERAL INFORMATION

### 1.1 Requirement

This requirement is for Load Cells for the Canadian Coast Guard vessel Sir Wilfred Laurier. The requirement is detailed in Annex A – Requirement.

### 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 Pacific 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.RPReceptiondessoumissions-PRBidReceiving.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.

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.

Due to the nature of the bid solicitation, bids transmitted by facsimile or hardcopy to PWGSC will not be accepted.

### 2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than five (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 British Columbia.

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.

### 2.5 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.

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## **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: Technical Bid

Section II: Financial Bid

Section III: Certifications

Section IV: Additional Information

Bids transmitted by facsimile or hardcopy will not be accepted.

#### **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 in accordance with the Basis of Payment.

##### **3.1.1 Electronic Payment of Invoices – Bid**

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “E” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “E” 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**

C3010T (2014-11-27), Exchange Rate Fluctuation Risk Mitigation

##### **3.1.3 SACC Manual Clauses**

#### **Section III: Certifications**

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

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## **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 Bid Evaluation Plan, mandatory technical evaluation criteria and Point rated technical criteria are included in Annex D – Technical Evaluation Criteria.

##### **4.1.1.1 Mandatory Technical Criteria**

All mandatory technical criteria as indicated in Annex D – Technical Evaluation Criteria must be completed. Non-responsive bids will not be given any further consideration.

#### **4.1.2 Financial Evaluation**

The Financial Bid Evaluation are included in Annex C – Financial Evaluation Criteria.

#### **4.1.3 Evaluation of Price - Canadian / Foreign Bidders**

1. The price of the bid will be evaluated as follows:
  - a. Canadian-based bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.
  - b. Foreign-based bidders must submit firm prices, Canadian customs duties, excise taxes and Applicable Taxes excluded. Canadian customs duties and excise taxes payable by Canada will be added, for evaluation purposes only, to the prices submitted by foreign-based bidders.
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. For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

### **4.2 Basis of Selection**

#### **4.2.1 Basis of Selection – Mandatory plus low bid**

1. To be declared responsive, a bid must:
  - a. comply with all the requirements of the bid solicitation;
  - b. meet all mandatory technical evaluation criteria.

## 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.

Bidders should submit a completed form as found in Annex G

#### 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.

### **6.2 Requirement**

The Contractor must provide the items detailed under the "Requirement" at 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.

### **6.4 Term of Contract**

#### **6.4.1 Period of the Contract**

The period of the Contract is from date of Contract to \_\_\_\_\_ inclusive

#### **6.4.2 Delivery Date**

Delivery is required on or before March 15, 2021.

#### **6.4.3 Delivery Points**

The goods must be delivered in accordance with Incoterms 2010 Delivery Duty Paid (DDP) to the following location:

CCGS Laurier  
C/O: CCG Marine Engineering  
21 Huron St, Victoria BC V8V 4V9.

### **6.5 Authorities**

#### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Dave Castle  
Public Works and Government Services Canada  
Pacific Region, Acquisitions - Marine  
401 - 1230 Government Street



N° de l'invitation - Solicitation No.  
F1782-20C164/A  
N° de réf. du client - Client Ref. No.  
F1782-20C164

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

Id de l'acheteur - Buyer ID  
xlv166  
N° CCC / CCC No./ N° VME - FMS

Victoria, BC V8W 3X4  
Telephone: 250-217-6555  
E-mail: [David.Castle@pwgsc-tpsgc.gc.ca](mailto:David.Castle@pwgsc-tpsgc.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: TBD  
Title: TBD  
Organization: TBD  
Address: TBD  
Telephone: TBD  
Facsimile: TBD  
E-mail: TBD

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.

### 6.5.3 Contractor's Representative

Contact for:	Name	Telephone	E-mail
Contracting Issues			
Technical Issues			
Invoicing Issues			

## **6.6 Payment**

### **6.6.1 Basis of Payment – Multiple Payments**

Canada will pay the Contractor upon completion and delivery of units in accordance with the payment provisions of the Contract if:

- a. an accurate and complete invoice and any other documents required by the Contract have been submitted in accordance with the invoicing instructions provided in the Contract;
- b. all such documents have been verified by Canada;
- c. the Work delivered has been accepted by Canada.

### **6.6.2 Electronic Payment of Invoices – Contract**

*Bidder requested to fill out Annex F and submit with their bid.*

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

- a. Direct Deposit (Domestic and International);
- b. Electronic Data Interchange (EDI);
- c. Wire Transfer (International Only);

## **6.7 Invoicing Instructions**

The Contractor must submit invoices in accordance with the section of the General Conditions titled Invoice Submission.

### **Invoice is to be made out to:**

Institute of Ocean Sciences- Pat Bay  
Marine Engineering; Attention: [REDACTED]  
9860 West Saanich Road  
Sidney, British Columbia, Canada  
V8L4B2  
Attn:TBD

### **Electronic copy of the invoice is to be sent for verification to:**

[PAC.MARINE@pwgsc-tpsgc.gc.ca](mailto:PAC.MARINE@pwgsc-tpsgc.gc.ca) Attention: Dave Castle

## **6.8 Certifications and Additional Information**

### **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.

N° de l'invitation - Solicitation No.  
F1782-20C164/A  
N° de réf. du client - Client Ref. No.  
F1782-20C164

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

Id de l'acheteur - Buyer ID  
xlvl66  
N° CCC / CCC No./ N° VME - FMS

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## 6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in \_\_\_\_\_ (*insert the name of the province or territory as specified by the Bidder in its bid, if applicable*).

## 6.10 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 \_\_\_\_\_ (*insert number, date and title*);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated \_\_\_\_\_ (*insert date of bid*) (*If the bid is clarified or amended, insert at the time of contract award: “, as clarified on \_\_\_\_\_” or “, as amended on \_\_\_\_\_” and insert date(s) of clarification(s) or amendment(s)*)

## ANNEX A – REQUIREMENT

### Table of Contents

<b>SECTION 1</b>	<b>BACKGROUND INFORMATION</b>	<b>12</b>
1.1	OBJECTIVE	12
1.2	CONTEXT	12
1.3	GLOSSARIES/DEFINITIONS/TERMINOLOGY/ACRONYMS	12
1.4	REFERENCE DOCUMENTS	13
<b>SECTION 2</b>	<b>SCOPE</b>	<b>14</b>
2.1	ESTIMATED LEVEL AND DURATION OF EFFORT	14
<b>SECTION 3</b>	<b>CONTRACTOR QUALIFICATIONS</b>	<b>17</b>
<b>SECTION 4</b>	<b>REQUIREMENTS</b>	<b>ERROR! BOOKMARK NOT DEFINED.</b>
4.1	MANDATORY REQUIREMENTS	<b>ERROR! BOOKMARK NOT DEFINED.</b>
<b>SECTION 5</b>	<b>TASKS</b>	<b>16</b>
<b>SECTION 6</b>	<b>DELIVERABLES</b>	<b>18</b>
6.1	MEETINGS	18
6.2	DOCUMENTATION	18
6.3	TRAINING	<b>ERROR! BOOKMARK NOT DEFINED.</b>
6.4	TIME FRAME AND DELIVERY DATES	18
<b>SECTION 7</b>	<b>ACCEPTANCE CRITERIA</b>	<b>20</b>
<b>SECTION 8</b>	<b>CONSTRAINTS AND ASSUMPTIONS</b>	<b>21</b>
8.1	TRAVEL REQUIREMENTS	21
8.2	SECURITY REQUIREMENTS	21
8.3	LANGUAGE REQUIREMENTS	21
<b>SECTION 9</b>	<b>SUPPORT PROVIDED BY CANADA</b>	<b>22</b>

## Background Information

The Canadian Coast Guard Ship (CCGS) Sir Wilfrid Laurier (SWL) is fitted with a Speedcrane Derrick containing multiple winches and three hoists to accomplish various tasks during their assigned missions. There are currently no fitted weight measuring or anti-two block devices increasing the risk of incident with the potential to harm personnel and/or damage to the ship and equipment.

### *Objective*

Install a fitted load cell system and anti-two block safety system for the Derrick on SWL to reduce the risk of potential harm to personnel and/or equipment and to accurately monitor and quantify risk through capturing significant load events. The systems will be installed/fitted, below decks, to all relevant winches, to include 5ton, 8ton and 20ton and topping winches. Of note, the 20T winch may need to account for the movement of the boom for accurate anti-two block functionality. The system functions must not restrict control of the winches, but simply provide “Warning” and “Alarm” functions that can be silenced by the operator.

### *Context*

The crew relies on the use of all winches during operations to facilitate the safe movement of equipment to/from the ocean (outboard) onto/from the deck (inboard) and to/from the cargo hold (inboard). As the ship is constantly in motion during operations, it is necessary to constantly monitor the weights being lifted to avoid overloading the winches which would result in the potential for serious harm to personnel and/or equipment. In addition understanding the accurate weights of equipment loaded onboard adds to overall safety and informs ships stability calculations. Furthermore, restricting the control of the winches, due to a warning or alarm could place the ship at risk. The system is to provide monitoring and indication functions to alleviate this risk.

### *Glossaries/Definitions/Terminology/Acronyms*

**Derrick:** An “A” frame style crane with winches used for lifting and manoeuvring the boom(s) for lifting objects.

**Load Cell:** A strain gauge type sensor use for measuring the weight of objects.

**Anti-Two Block:** A cable metering type system used to prevent or warn the operator of a two-block condition on a crane; this is the dangerous condition where the lower hook block is raised until it contacts any part of the boom.

## ***Reference Documents***

- A. Instruction Manuals for Speedcrane Derrick fitted on the bridge front of Navais type 1100 vessels;
- B. Derrick system schematics and drawings;
- C. Cargo, Fumigation and Tackle Regulations (SOR/2007 – 128);
- D. TP127e – Ship's Electrical Standard;
- E. IEEE 45 – Recommended Practise for Electrical Installations on Shipboard;

## Scope

### ***Estimated Level and Duration of Effort***

The contractor will be required to supply and commission the equipment, in addition to providing FSR support. The details include, but not limited to,

### **Equipment Supply**

#### A. Supply

- i. Three(3) line riders designed for marine application, to include swing arms fitted to the 5T, 8T & 20T winch cables. The system must be integrated with the winch cables within the winch compartment;
- ii. Supply a total of two(2) IP67 rated 7-10.4" touch screen capable human machine interface (HMI) to be mounted in the crane operator cab and on the bridge. One screen facing the operator and one screen mounted on bridge (location TBD)
- iii. One large screen display to be mounted in the crane operator cab to be visible by the deck crew while conducting lifting operations on the deck;
- iv. HMI must be high resolution to be readable in direct sunlight with night mode option(s);
- v. The entire system must communicate through a CAN Bus J1939 protocol;
- vi. All sensors must have a minimum of rating of IP56.
- vii. Supply a boom angle sensor(s);
- viii. A "list" sensor(s);
- ix. External override switch;
- x. Load programming chart(s) based on designed operating limits of the derrick and winches;
- xi. All necessary customized software to monitor all winches simultaneously;
- xii. Software must include audible only "Warning" and "Alarms" indication for pre-determined weight setpoints to be provided by the TA; alarms must "auto-clear" once alarm threshold is cleared to minimize operator tasks while operating the derrick.
- xiii. The software must be able to be configured by the user to allow calibration and "Warning/Alarm" setpoints to be adjust within a safety range. This range must be agreed to by the TA prior to installation.
- xiv. The software must be able to record/log all warnings, alarms and user defined datapoints for 15 days and be accessible for downloads via external memory for client use.
- xv. Supply an absolute sensor(s) to monitor hook height in relation to the boom tip;

- 
- xvi. Digital counter(s) to be mounted onto the 5T, 8T & 20T winches;
  - xvii. All necessary hardware to adapt the sensors to the respective fitted winches;
  - xviii. All necessary software to adapt the Anti-Two Block system with the fitted Load cell system and HMI.
  - xix. Custom software to provide a “Warning” and “Stop” functions;
  - xx. The “Stop” function must stop the block from contacting the boom tip within a pre-determined setpoint to be provided by the TA prior to installation;
  - xxi. The software must be able to be configured by the user to allow calibration and “Warning/Alarm” setpoints to be adjust within a safety range. This range must be agreed to by the TA prior to installation.

**Engineering:**

- a. Provide all necessary technical documentation for the hardware/software;
- b. Provide all necessary installation instructions, engineering drawings and trials agenda;



## Tasks

The contractor will be required, but not limited to,

- i) Supply all necessary hardware/software to complete the project;
- ii) Coordinate with the TA throughout the project lifecycle and ensure effective communication is maintained;
- iii) Engage the TA in the event unidentified risks occur;
- iv) Arrange for shipping of the hardware/software to CCG Base Victoria, Victoria, BC;
- v) Provide installation instructions, engineering drawings, commissioning plan and trials agenda;

## Contractor Qualifications

The contractor must be able to provide the following information,

- i) Must have experience in marine/offshore line rider load cell projects with a minimum of 2 x projects within the past eight years.

## Deliverables

### Meetings

All meetings will be conducted through electronic means. The contractor must provide a minimum of one(1) week notice prior to the meeting(s).

- i) Monthly progress meetings;
- ii) Contract closeout meeting.

### Documentation

All documents must be prepared using MS Office programs and delivered electronically to the Technical Authority.

- i) Installation instructions;
- ii) Engineering drawings;
- iii) Commissioning plan;
- iv) Trials agendas;
- v) Technical Documentation;

### Hardware and Software

The contractor must ensure all necessary hardware and software is delivered, for installation, to,  
Canadian Coast Guard  
CCGS Sir Wilfrid Laurier  
21 Huron Street  
Victoria BC V8V 4V9

### Time Frame and Delivery Dates

<i><b>Deliverable(s)</b></i>	<i><b>Due Date</b></i>	<i><b>Reference</b></i>
Kickoff Meeting	One(1) Week ACA	6.1 (i)
Installation Instructions	tbd (Preferred)	6.2 (i)
Engineering drawings	tbd	6.2 (ii)
Commissioning plan	tbd	6.2 (iii)
Trials Agenda(s)	tbd	6.2, (iv)
Technical Documentation	tbd	6.2 (v)
Hardware & Software	tbd	6.4
Contract Closeout meeting	On acceptance of required work	6.1 (iii)

**Note(s):** 1. ACA: After Contract Award

N° de l'invitation - Solicitation No.

F1782-20C164/A

N° de la modif - Amd. No.

File No. - N° du dossier

Id de l'acheteur - Buyer ID

xlvl66

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

F1782-20C164

N° CCC / CCC No./ N° VME - FMS

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## Acceptance Criteria

The contractor must demonstrate the following criteria, but not limited to, to satisfy the requirements.

A. Engineering documents:

- a. The delivery of detailed installation instructions and engineering drawings for the installation of the load cells and anti-two block components;
- b. The delivery of the commissioning plan and trials agenda;

B. Components:

- a. The delivery of the line rider load cells and associated installation components;
- b. The delivery of the anti-two block and associated installation components;
- c. The delivery of the system hardware pre-programmed with the appropriate software specific for the CCGS Sir Wilfrid Laurier;

C. Software:

- a. The development and programming of the software based on the CCGS Sir Wilfrid Laurier crane loading charts.

N° de l'invitation - Solicitation No.  
F1782-20C164/A  
N° de réf. du client - Client Ref. No.  
F1782-20C164

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

Id de l'acheteur - Buyer ID  
xlv166  
N° CCC / CCC No./ N° VME - FMS

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## **Constraints and Assumptions**

### ***Travel Requirements***

All travel must be arranged and billed in accordance with the accepted rate schedule provided by the contractor. All accommodations must be booked using the Public Service Procurement Canada 2019 Accommodation and Car Rental Directory as guidelines.

### ***Security Requirements***

N/A

### ***Language Requirements***

All documents must be provided in English.

N° de l'invitation - Solicitation No.

F1782-20C164/A

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

F1782-20C164

N° de la modif - Amd. No.

File No. - N° du dossier

Id de l'acheteur - Buyer ID

xlvl66

N° CCC / CCC No./ N° VME - FMS

---

## **Support Provided by Canada**

The TA will provide any necessary CCG specific information not identified within the scope of this SOW.

N° de l'invitation - Solicitation No.  
F1782-20C164/A  
N° de réf. du client - Client Ref. No.  
F1782-20C164

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

Id de l'acheteur - Buyer ID  
xlv166  
N° CCC / CCC No./ N° VME - FMS

## ANNEX B – BASIS OF PAYMENT

*Note to bidders: Annex B forms the bases of payment for the resulting contract and should not be submitted with the bid.*

### B1. Contract Prices

ARTICLE	DESCRIPTION	Prix unitaire
A	Derrick Load Cell Package in accordance with Annex A.	\$ <span style="background-color: black; color: black;">XXXXXXXXXX</span>
B	Delivery Incoterms 2000 DDP to Victoria, BC.	\$ <span style="background-color: black; color: black;">XXXXXXXXXX</span>
		<b>Total Price</b>
<b>Best Date of Delivery Offered :</b> _____		



N° de l'invitation - Solicitation No.  
F1782-20C164/A  
N° de réf. du client - Client Ref. No.  
F1782-20C164

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

Id de l'acheteur - Buyer ID  
xlv166  
N° CCC / CCC No./ N° VME - FMS

## ANNEX C – FINANCIAL EVALUATION

### Instructions to Bidders

The bidder is to enter their pricing in the pricing schedule below.

### C.1 Pricing Schedule – Table 1

ITEM	DESCRIPTION	PRICE (\$)
C.1A	Derrick Load Cell 5 ton and components	
b.	Derrick Load Cell 8 ton and components	
c.	Derrick Load Cell 10 ton and components	
d.	Derrick Anti Two Block and components	
C.1.2	Delivery in accordance with Incoterms 2000 DDP to VICTORIA, BC.	
C.1.3	Total Price (C.1A + C1.2) Tax and Duties excluded:	
Best Delivery Date Offered: _____		
The Best Delivery Date Offered must be on or before March 15, 2021.		

### C.2 Evaluation Price

ITEM	DESCRIPTION	Price (\$)
C.2A	Evaluation Price = (C1.3)	

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## **ANNEX D – TECHNICAL EVALUATION**

### **D-1 GENERAL**

- D-1.1 The general requirement for the Bidder's Technical Bid is stated at Part 3 of the Bid Solicitation.
- D-1.2 The Evaluation Procedure is stated at Part 4 of the Bid Solicitation. The evaluation procedure indicates the composition of the evaluation team. This Annex gives the detailed Mandatory Evaluation Criteria.
- D-1.3 In order that a complete technical evaluation of the Bid can be conducted, the Bid must be compliant with all of the bid deliverable requirements, which are summarized under Part 3 of the Bid Solicitation. It is the Bidder's responsibility to clearly demonstrate their capabilities and capacity to complete all of the Work and other requirements stated in the Bid Solicitation, the Statement of Work and other attachments. Bidders should describe their capabilities, how they will comply with mandatory requirements, and how they will deliver any other requested goods and/or services.

### **D2 MANDATORY TECHNICAL CRITERIA**

- D-2.1 The Mandatory Technical Criteria are detailed in Table D-1 Mandatory Criteria. Mandatory Criteria will be assigned either a Pass or Fail by the evaluation team. Any Bid which fails to comply with any Mandatory Criterion will be declared non-responsive.
- D-2.2 The Bidder should provide, as part of its Technical Proposal, all documents essential to clearly demonstrate compliance with each technical mandatory requirement, including, without limitation, photographs, maps, drawings, calculations, Original Equipment Manufacturer (OEM) specifications, documents, purchase orders (less cost data), job or Quality Control or Quality Assurance record sheets, personnel resumes, current trade certificates and, other such evidence.
- D-2.3 The Bidder should provide, as part of its Technical Proposal, a Bidder filled out Table – D-1 Mandatory Criteria providing references by page and section, to their Technical Proposal where each requirement is addressed.

## Annex D

### Annex D Evaluation Criteria

The Bidder's Technical Bid must meet all the Mandatory Criteria in Table D1 to be considered responsive. Failure to meet the Mandatory Criteria will render the Bid non-compliant and the Bid will not be assessed further.

The Technical Bid should address clearly and in a sufficient depth the points that are subject to the Mandatory Evaluation Criteria against which the Bid will be evaluated. In order to facilitate the evaluation of the Bid, Canada requests that the Bidder address and present topics in the order of the Evaluation Criteria under the same headings.

Table D1

Mandatory Criteria				
M#	Criteria	Met	Not Met	Cross-reference to Proposal
M1	Experience with two "line rider load cell" projects within a marine environment to include example diagrams/theory of operation.			
M2	Components must not "dangle" from boom tips.			
M3	The system must factor the "list" sensor into the maximum weight calculations.			
M4	Digital counters mounted to winch drums must be used for the Anti-Two block system.			
M5	All exterior sensors must have a minimum rating of IP56.			
M6	Anti-two block system must factor boom angle.			
M7	All "stop" functions must be enabled/disabled (configurable) by the user.			

## ANNEX E - BID SUBMISSION CHECK LIST

### E1.1 Mandatory Tender Deliverables Checklist

Notwithstanding deliverable requirements specified anywhere else within this bid solicitation and its associated Requirement (Annex A), mandatory deliverables that must be submitted with the Bidder's tender to be deemed responsive, are summarized below.

The following are mandatory and the Bidder's submission will be evaluated against the requirement as defined herein. The Bidder must be determined to be compliant on each item to be considered responsive.

No	Solicitation Part	Reference	Description	Document provided
1	Front page	Front page	<u>Request for Proposal</u> document part 1 page 1 completed and signed;	<input type="checkbox"/>
2	3	Article 3.1 Section I	Technical Bid Submission - response to Annex D – Mandatory Technical Evaluation	<input type="checkbox"/>
3	3	Article 3.1 Section II, Annex C	Annex C – Financial Evaluation, completed	<input type="checkbox"/>

### E1.2 Supporting Deliverable Requirements

If the following information which supports the bid is not submitted with the Bid; it may be requested by the Contracting Authority, and it must be provided within 48 hours of the written request:

No	Solicitation Part	Reference	Description	Condition	Document provided
1	Part 6	6.9	Applicable Laws (if applicable)	48 hours of written request	<input type="checkbox"/>
2	6	Articles 6.5.3, Annex E	Contractor's Representatives, table completed	48 hours of written request	<input type="checkbox"/>
3	Annex F	3.1.5.2	Electronic Payment Instruments	48 hours of written request	<input type="checkbox"/>
4	Annex G	5.1.1	Integrity Provisions – List of Names, completed	48 hours of written request	<input type="checkbox"/>

N° de l'invitation - Solicitation No.

F1782-20C164/A

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

F1782-20C164

N° de la modif - Amd. No.

File No. - N° du dossier

Id de l'acheteur - Buyer ID

xlvl66

N° CCC / CCC No./ N° VME - FMS

---

### **E.1.3 Contractor's Representatives**

The bidder is to complete table below and submit with their bid.

Contact for:	Name	Telephone	Email
Contracting issues			
Technical issues			
Invoicing issues			

N° de l'invitation - Solicitation No.

F1782-20C164/A

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

F1782-20C164

N° de la modif - Amd. No.

File No. - N° du dossier

Id de l'acheteur - Buyer ID

xlvl66

N° CCC / CCC No./ N° VME - FMS

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## **ANNEX F - ELECTRONIC PAYMENT INSTRUMENTS**

The Bidder accepts any of the following Electronic Payment Instrument(s):

- ☐ Direct Deposit (Domestic and International);
- ☐ Electronic Data Interchange (EDI);
- ☐ Wire Transfer (International Only);

N° de l'invitation - Solicitation No.

F1782-20C164/A

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

F1782-20C164

N° de la modif - Amd. No.

File No. - N° du dossier

Id de l'acheteur - Buyer ID

xlvi166

N° CCC / CCC No./ N° VME - FMS

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## **ANNEX G – INTEGRITY REGIME – LIST OF NAMES**

The Integrity Regime – List of Names starts on the next page and consists of 2 pages.