



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

Réception des soumissions - TPSGC / Bid Receiving
- PWGSC

1550, Avenue d'Estimauville

1550, D'Estimauville Avenue

Québec

Québec

G1J 0C7

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

TPSGC/PWGSC

601-1550, Avenue d'Estimauville

Québec

Québec

G1J 0C7

Title - Sujet Aluminium Rigid Hull Boat	
Solicitation No. - N° de l'invitation K4C23-180325/A	Date 2017-09-13
Client Reference No. - N° de référence du client K4C23-180325	
GETS Reference No. - N° de référence de SEAG PW-\$QCL-036-17208	
File No. - N° de dossier QCL-7-40125 (036)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-10-24	Time Zone Fuseau horaire Heure Avancée de l'Est HAE
F.O.B. - F.A.B. Specified Herein - Précisé dans les présentes Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input checked="" type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Gagnon, Mathieu	Buyer Id - Id de l'acheteur qcl036
Telephone No. - N° de téléphone (418) 649-2883 ()	FAX No. - N° de FAX (418) 648-2209
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Environnement Canada 928 rue Wellington MONTREAL Québec H3C1T8 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

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

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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under 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 Trade Agreements

"The requirement is subject to the provisions of the North American Free Trade Agreement (NAFTA), and the Canadian Free Trade Agreement (CFTA)."

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<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 (2017-04-27) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.1.1 SACC Manual Clauses

SACC Manual Clause B1000T (2014-06-26), Condition of Material – Bid

2.2 Submission of Bids

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

You can also submit your bid by facsimile at (1) 418-648-2209, by the date, time and place indicated on page 1 of the bid solicitation.

2.3 Enquiries - Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than **(7) 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 Quebec.

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Amd. No. - N° de la modif.

File No. - N° du dossier

QCL-7-40125

Buyer ID - Id de l'acheteur

qc1036

CCC No./N° CCC - FMS No./N° VME

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

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

Section I: Technical Bid (1 hard copy)
Section II: Financial Bid (1 hard copy)
Section III: Certifications (1 hard copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

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.

- Technical bid must be accompanied with the technical documentation proving the conformity of the product asked the annex A.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

3.1.1 Exchange Rate Fluctuation

SACC Manual clause C3011T (2013-11-06), Exchange Rate Fluctuation

Section III: Certifications

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

PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION

4.1 Evaluation Procedures

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

4.1.1 Technical Evaluation

Each bid will be reviewed to determine whether it meets the mandatory requirements of the bid solicitation. Any element of the bid solicitation identified with the words “must” or “mandatory” is a mandatory requirement. Bids that do not comply with each and every mandatory requirement will be declared non-responsive and be disqualified.

4.1.1.1 Mandatory Technical Criteria

The bidder must clearly demonstrate with his proposal, that it is compliant with the requirement.

The bidder must provide the required information in accordance with Annex C, including references to the proof of compliance provided; the tenderer should indicate the exact location of the information, including the title of the documents, as well as the page and paragraph numbers. Proof of compliance must provide sufficient detail and explanation to allow for a full assessment and demonstrate that each of the Mandatory Technical Criteria is compliant.

Canada will not evaluate information such as referrals to websites where additional can be found, or technical manuals or brochures that do not accompany the bid.

Similar projects means:

A project to replace a complete diesel marine propulsion system with a value of \$ 75,000.00 (CAD) or more.

For each similar project, bidders must provide **at least** the following information:

- **Title of the project;**
- **Project Value;**
- **Characteristics of the vessel;**
- **Reference of the user/customer;**
- **Exact dates of the project (month and year of start and end / delivery).**

If the information provided is not sufficient to confirm the relevance of the project achieved in relation to the above requirements, the bid may be declared non-responsive.

A verification with the user of the project in reference to attest the accuracy of the information could be made. If the user is not available or refute the information provided by the bidder, the bid will be declared non-responsive.

Mandatory Requirement to be met by bid closing**1) Relevant experience of the company (bidder)**

The bidder must show that he has carried out a minimum of 2 similar projects during the last 5 years.

Mandatory Requirement before contract award

The following information, which supports the bid, may be requested by the Contracting Authority from the bidder and it must be provided within **two (2)** working days of the written request:

2) Certification from the Original Equipment Manufacturer (OEM)

The bidder must be 'Original Equipment Manufacturer' (OEM) or an authorized representative of the OEM for parts and services and provide a certification from the OEM. The equipment targeted are:

- a. The boat
- b. The engine

3) Certification from the Original Equipment Manufacturer for the company's personnel

Bidder's personnel must be trained by the Original Equipment Manufacturer (OEM) to perform various maintenance and repair work on the proposed equipment. The bidder must provide an OEM certification for each of the targeted equipment, namely:

- a. The boat
- b. The engine

4) Aluminium Welding Certification of the company's

The Bidder must provide proof of welding certification by the Canadian Welding Bureau (CSB) in accordance with the requirements of CSA Standard W47.2, Certification of Aluminum Fusion Welding Companies

5) Type plans to provide

Provide type plan samples normally provided with this type of boat. For the submission of bid, it is not necessary that the plans reflect exactly what is required in the specification. The required plans are:

- a. One line diagram
- b. Fuel distribution diagram

6) Minimum performance criteria of the submitted equipment

Provide brand and model of proposed boat and the outboard engine as well as Technical data from the manufacturer (Specifications, sketches and printed descriptive).

Although tenderers must offer products meeting all of the minimum performance characteristics of the equipment listed in Annex A – Requirement, at bid closing, bids will be evaluated, among other things, on the selected minimum performance characteristics listed at Annex C. Simply indicating that the proposed product is "compliant" or that it meets the minimum performance characteristics selected is not sufficient. To demonstrate that their products meet all of the minimum performance characteristics, the bidders must submit proof of compliance to their bid. Proof of compliance is a document such as a brochure, a technical document, or a test report prepared by a nationally or internationally recognized independent testing organization. The following information, which supports the bid, may be requested by the Contracting Authority from the bidder and it must be provided within **two (2)** working days of the written request:

7) After-sale services capability

The bidder must demonstrate that it has a service center and a parts distribution center that includes a mobile unit that can be deployed to the Port of Quebec, QC, within a maximum of 48 hours. The bidder must provide the address of the service and parts distribution center and a photograph of the service unit.

4.1.2 Financial Evaluation

4.1.2.1 The Bidder must submit their financial bid in accordance with Annex B, Basis of Payment.

4.1.2.2 The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, FOB destination, Canadian customs duties and excise taxes included.

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.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical evaluation criteria 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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

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

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

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

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

There is no security requirement applicable to the Contract.

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](#) (2016-04-04), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.3.2 Supplemental General Conditions

[4001](#) (2015-04-01), Supplemental General Conditions – Hardware Purchase, Lease and Maintenance

6.4 Term of Contract

The contract period is from Contract award date until the end of the warranty period inclusively.

6.4.2 Delivery Date

All the deliverables must be received no later than 6 weeks after contract award.

6.4.4 Delivery Points

Delivery of the requirement will be made to delivery point specified in the Contract.

Delivered Duty Paid (DDP), Environment and Climate Change Canada / Warehouse 928, Wellington Street, Montréal, Québec, Canada, Incoterms 2000 for shipments from a commercial contractor.

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6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Mathieu Gagnon
Title: Supply Chief (Marine)
Organization: Public Works and Government Services Canada
Supply and Compensation Directorate, Québec Region

Telephone: 418-649-2883
Facsimile: 418-648-2209
E-mail address: mathieu.gagnon@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 Technical Authority

The Technical Authority for the Contract is: (Will be added at contract award)

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-____
Facsimile: ____-____-____
E-mail: _____.

The Technical Authority named above 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

The Contractor's Representative for the Contract is: (Will be added at contract award)

Name: _____
Title: _____
Organization: _____
Address: _____
Telephone: ____-____-____
Facsimile: ____-____-____
E-mail: _____.

6.6 Payment

6.6.1 Basis of Payment

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid the firm price indicated in Annex B. Goods and Services Tax or Harmonized Sales Tax is extra, if applicable. Payment for unscheduled work will be done in accordance with Basis of Payment outlined at Annex B.

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

6.6.2 Limitation of Price

SACC *Manual* clause [C6000C](#) (2017-08-17) Limitation of Price

6.6.3 SACC Manual Clauses

SACC *Manual* clause [H3010C](#) (2016-01-28), Milestone Payments – Not subject to holdback
SACC *Manual* clause [C2000C](#) (2007-11-30) Taxes - Foreign-based Contractor
SACC *Manual* clause [A0222T](#) (2014-06-26) Evaluation of Price - Canadian / Foreign Bidders

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:

Environment and Climate Change Canada
[REDACTED]
105 McGill, 7th floor
Montréal, Québec, H2Y 2E7

AND

An electronic copy must be transmitted to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

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.

6.9 Applicable Laws

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

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 2010A (2016-04-04), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of payment;
- (e) the Contractor's bid dated _____.

6.11 Inspection and Acceptance

The Technical Authority or representative is the Inspection Authority. All reports, deliverable items, documents, goods and all services rendered under the Contract are subject to inspection by the Inspection Authority or representative. Should any report, document, good or service not be in accordance with the requirements of the Statement of Work and to the satisfaction of the Inspection Authority, as submitted, the Inspection Authority will have the right to reject it or require its correction at the sole expense of the Contractor before recommending payment.

6.12 SACC Manual Clauses

SACC Manual clause B7500C (2006-06-16), Excess Goods
SACC Manual clause G1005C (2016-01-28), Insurance

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Annex 'A'

Requirement

TECHNICAL SPECIFICATIONS

ENVIRONMENT AND CLIMATE CHANGE CANADA

QUEBEC REGION

JUNE 19, 2017

RIGID HULL BOAT, SHALLOW DRAFT, 5.5 TO 6.5 M, ENVIRONMENT AND CLIMATE CHANGE CANADA, QUEBEC REGION

INTRODUCTION

The Quebec Laboratory for Environmental Testing, Field Services (Environment Canada, Quebec Region), wishes to acquire a rigid hull boat, shallow draft, 5.5 to 6.5 metres long, in accordance with Transport Canada Marine Safety standard TP-1332 (Construction Standards for Small Vessels), as well as the *Canada Shipping Act*, for collecting samples of water, fish and plants in the St. Lawrence River between Cornwall and Quebec City. Complete delivery is requested by March 9, 2018.

MANDATORY CRITERIA

Delivery is requested by March 9, 2018

The proposed model shall meet the requirements of Transport Canada Marine Safety standard TP-1332 (Construction Standards for Small Vessels). The compliance certificate shall be attached to the bid.

<http://www.tc.gc.ca/eng/marinesafety/tp-tp1332-menu-521.htm>

The bidder shall propose a proven boat model. The bidder shall demonstrate that it has built similar boats to the proposed model. The term "similar boats" means an aluminum craft between 3 and 15 meters with an outboard motor, with a minimum value of \$ 20,000.00.

If the bidder is not the manufacturer, the bidder must be an authorized agent of the boat manufacturer indicated in its proposal. A certificate or letter proving that he is an authorized agent may be requested. The proposed boat shall be a new construction (not used).

CONSTRUCTION REQUIREMENTS

General

Unless otherwise indicated, all components, equipment and materials shall be provided by the contractor.

Structural strength

All structural components and connected components (hull, deck, console, seats, etc.) shall be strong enough to withstand the horizontal and vertical impacts associated with the conditions of use.

Launch

The boat must be able to be launched, retrieved and transported with a trailer, and have attachment points to secure the boat to the trailer. The bidder shall must provide all documentation concerning the trailer for registration. ECCC will arrange for trailer registration

Documents to be provided upon acceptance of the boat

- Manuals: The builder shall provide, in English and in French, a detailed operating manual, including general, form, structure, electrical system and fuel line plans, a parts list, illustrations of the locations of parts, and all names of manufacturers and models of equipment installed on the boat
- Test results
- Manuals: The builder shall provide, in English and in French, a detailed operating manual, including electrical system and fuel line plans, a parts list, illustrations of the locations of parts, and all names of manufacturers and models of equipment installed on the boat
- A copy of a test book for the types of tests to be conducted on the proposed boat

The boat shall be built in accordance with the following construction standards

- Transport Canada Marine Safety standard TP 1332 Construction Standards for Small Vessels
- Transport Canada Marine Safety standard TP 127 Ships Electrical Standards
- Small Vessel Regulations
- For aluminum components, all welds shall comply with the requirements of standard CSA W47.2-M, Certification of Companies for Fusion Welding of Aluminum, and shall be performed by personnel certified by the Canadian Welding Bureau (CWB) under the same standard; all welds shall comply with standard W59.2, Welded Aluminum Construction
- The boat shall be inspected and approved by Transport Canada and Environment and Climate Change Canada
- The client shall not take possession of the boat until certification of compliance issued by the Ship Safety Office (TC) confirms compliance with applicable regulations

Note: For evaluation purposes, upon bid closure, provide proof of certification under standard W47.2 by the Canadian Welding Bureau (CWB).

Warranty

Refer to the tender document.

Shipping and delivery

Prior to shipping, the boat shall be placed on a trailer provided by the supplier. The supplier will use the trailer for the delivery of the vessel. The boat shall be cleaned, appropriately protected and covered in accordance with the instructions contained in this section. Bilges shall be dry and free of oil and debris, and fuel tanks shall be empty. Cradles shall be designed to prevent any movement of or damage to the boat and the equipment during shipping and storage. All contact points with the boat shall be padded. Shrink wrap shall be provided to protect the boat during shipping and storage.

The boat shall be delivered to the following address:
Environment and Climate Change Canada / Warehouse
928 Wellington Street
Montreal, QC

After-sales service

Repair shop

After-sales service shall be provided by a repair shop authorized by the manufacturer, with personnel dedicated to after-sales service, which will be able to serve the Quebec Region within 48 hours of a service call.

Personnel training

The authorized repair shop shall have personnel trained by the manufacturer to perform various types of maintenance and repair work on the proposed type of boat.

Parts counter

The authorized repair shop shall keep a minimum number of basic replacement parts.

Intellectual property

When the contractor is required to draft and provide a training and/or operating manual for the goods requested, intellectual property rights for the manual(s) shall not be transferred to the client. The contractor shall remain the owner of the copyright.

Purpose, functions and use

The boat's main purpose shall be to carry out various types of work on the St. Lawrence River in both deep and shallow water.

Specifically, the boat shall be used for:

Sampling (water, plants, fish)
Transport of persons
Transport, deployment, retrieval, installation and inspection of equipment

The boat shall be used mainly in the Quebec Region, on the St. Lawrence River, between Cornwall, Quebec City and the river tributaries (small rivers).

DETAILED SPECIFICATIONS AND DESCRIPTION

1. Physical characteristics and operational capacities

- 1.1 The rigid hull shall be made of aluminum and shall be reinforced to allow for grounding on various types of surfaces
- 1.2 Total length between 5.5 and 6.5 meters
- 1.3 Maximum total width 2.4 meters and a minimum of 1.8 meter.
- 1.4 Maximum freeboard height 0.4 meters
- 1.5 Maximum displacement 15 tons (with a normal load)
- 1.6 Total capacity 4 people and 150 kg of material
- 1.7 Maximum draft (outboard motor raised) between 0.25 and 0.40 meters under normal load conditions*
- 1.8 The total weight of the boat, its equipment and the trailer shall not exceed 4,000 kg
- 1.9 Minimum cruising speed 25 knots in good weather (under normal load conditions*)
- 1.10 Maximum total boat weight 3,100 kg
- 1.11 Minimum endurance 4 hours at 25 knots with a 10% fuel reserve
(70 liters minimum capacity)

*Normal load conditions: full fuel tank, four people on board (325 kg) and 150 kg of material

2. Seat and console

2.1 Seat

The padded captain's seat shall be located directly behind the pilot house, as far back as possible on the starboard side.

The padded 3-person bench shall be designed without armrests, accommodate three 100 kg people, be made of sea-going quality materials and be resistant to tears, perforations and deterioration due to exposure to the environment. The bench shall be covered with a UV-resistant grey or black material.

2.2 Console

The operator's console shall be equipped with a hydraulic steering system that is compatible with the motor, a sturdy steering wheel, a windscreen and a guardrail. The console shall be installed at the rear on the starboard side and shall be equipped with all gauges recommended by the propulsion system manufacturer and those specified below.

All gauges shall be provided by the contractor.

- a tachometer for the motor
- a fuel gauge for the tank
- a battery power indicator
- a pitch and righting indicator for the motor
- a hour meter for the motor
- controls for the navigation lights
- an audible alarm and a warning light shall be installed (in accordance with the manufacturer's recommendations) to indicate increased temperature of the cooling system and/or low oil pressure

Clearly identified buttons shall be installed for all equipment.

3. Hull

The underside of the hull shall be made of welded 5086 marine aluminum alloy plates, minimum 4.8 mm thick, and the sides shall be made of welded 5086 marine aluminum alloy plates, minimum 3.175 mm thick.

The hull shall be equipped with a transom for the motor.

All paint shall be applied in accordance with the paint manufacturer's recommendations and the materials used. The requestor shall provide the colours at the time of construction based on the general plan provided by the builder. Two (2) coats of epoxy for aluminium and two (2) coats of anti-fouling paint for aluminum shall be applied under the boat's waterline.

The hull shall be shaped in accordance with a model that has been tested for at least two years. No prototypes shall be accepted.

4. Deck

The surface of the deck shall be covered with a slip-resistant finish. The deck area shall be 3 to 4 square meters.

4.1 Compartments

A safe, secure and accessible compartment shall be installed to store the anchor and rope in the bow of the boat.

A safe, watertight, secure and accessible compartment shall be installed to store personal materials, 0.08 m³ (3 ft³) wide, near the operator's console.

4.2 Cleats

Cleats for 19 mm moorings shall be installed on the sides of the boat, at the back and the front, and one on the bow.

4.3 Handrails

A handrail shall be installed on each side of the boat.

4.4 Towing equipment

A towing ring shall be attached to the bow so that the boat can be towed at a speed of 5 knots in calm water with a normal load, on even keel, without damaging it. The towing ring shall also be used for transport by trailer.

4.5 Oars

The boat shall be equipped with an outboard storage area for two oars. The contractor shall provide two seawater-resistant oars.

5. Electrical system

The 12-volt electrical system shall be powered by two marine batteries.

The 12-volt electrical system shall be an easy-to-access marine system, fully protected from the salty environment, compliant with Transport Canada standards for this type of boat. All wires shall be marine type, and all strands (ANCOR type) shall be approved UL 1426, and shall be identified on the electrical plan provided by the builder. The system shall be distributed by a panel equipped with 6 circuit breakers or a combination of two panels totaling 6 circuit breakers. All circuit breakers shall be clearly identified and installed near the pilot station.

All electrical equipment shall be installed in accordance with manufacturer specifications. All electrical and electronic equipment shall be able to operate simultaneously without causing an overload or any interference.

Cables and conductors shall be located in conduits large enough to accommodate other wires without obstruction. Wires outside of conduits shall be held in place by collars or straps at least every 18 inches horizontally and every 14 inches vertically.

Note: For evaluation purposes, upon bid closure, provide the single-line plan normally provided with this type of boat. It is not necessary that the plan immediately reflect the exact requirements of these specifications.

5.1 Batteries

The boat shall be equipped with a two deep-cycle batteries with a switch, connected in accordance with the motor manufacturer's technical specifications.

Batteries shall be marine quality, include covered containers and lockers, cables and battery terminals, and be able to provide at least 650 amps each of deep discharge.

All batteries shall have at least 650 amps each cold start.

Batteries shall be contained in individual watertight containers, and battery areas shall be naturally ventilated.

5.2 12-volt outlets

Two watertight cigarette-lighter type 12-volt outlets shall be installed on the console and connected to one of the batteries.

6. Electronic and navigational equipment

The contractor shall, if necessary, provide, install (in accordance with manufacturer instructions), commission and certify the following electronic and navigational equipment:

- Magnetic compass with built-in lighting fastened to a surface with a 3- to 5-inch diameter.
- Space must be provided at the console for the installation of a Garmin VHF 210i AIS marine radio with antenna. The bidder must include in his tender an option for the installation of a marine radio provided by ECCC.
- Space must be provided at the console for the installation of an electronic map and on-screen sounder (GPSMAP 720S) (Garmin) with BlueChart G2 maps of the St. Lawrence River between Kingston and Ile d'Orléans, including the Richelieu and Ottawa rivers. The bidder must include in his tender an option for the installation of a marine radio provided by ECCC.

7. Pumping and draining

The boat shall include the following elements:

A 12-volt electrical bilge pump (minimum flow rate of 3,000 gal/h) shall be installed in the watertight compartments, as well as a manual diaphragm pump equipped with a strainer. The bilge pump shall be installed so as to pump from the lowest part of the hull. Tubes shall allow for water to be dumped directly outside the boat. An automatic command shall start the electrical pump as soon as there is water in the bilge. A selector switch shall be installed on the operator's console and shall include the following settings: "Start," "Stop" and "Automatic." A signal light on the console shall indicate that the pump is in operation. An audible warning system shall be installed to indicate a high level of bilge water.

Hull draining — A non-corrosive plug shall be installed at the lowest point of the hull to allow for the hull to be emptied when the boat is out of water.

8. Colours

The hull and decks shall be solid color dark green, dark blue or dark grey.
Paint shall be applied with a paint sprayer with a special primer for aluminum. The location, colours and details shall be provided by the ECCC representative.

9. Emergency equipment

The boat shall include the following elements:

The following items shall be provided, with the necessary accessories for storage and fastening (in accordance with the item). All fasteners provided by the contractor shall be strong and made of corrosion-resistant steel. All items shall be easily accessible (repair kits shall be stored in a storage compartment).

The contractor shall provide the boat and equip it with the following emergency equipment approved by Transport Canada:

- Two (2) wooden water-resistant oars
- A manual bilge pump
- An extinguisher (class **10BC**, naval type)
- An anchor of the Fortress type to keep the boat at full capacity in a current of 4 knots with a rope 15 m long and 19 mm in diameter, and a galvanized chain 8 m long and 25 mm in diameter
- Four (4) 19 mm mooring lines, 4 meters
- A first-aid kit compliant with type A set out in the *Canada Labour Code*
- A buoyant lifeline, 20 mm, and a minimum of 15 meters long
- A radar reflector approved by Transport Canada (tube type)
- Six (6) approved flares, including at least three type A, B or C
- Navigation lights compliant with the *Collision Regulations*
- An emergency ladder
- A boat hook that is extendable to 12 feet
- Compressed-air horn

10. Propulsion

The boat shall be equipped with a 90 hp two-stroke outboard marine engine, electric starting, power trim, 20 inch shaft length, with meets the EPA Three Start standard, to be installed by the contractor in accordance with manufacturer specifications. Following at-sea tests, the contractor shall provide and install the most appropriate propellers for the proposed boat.

The contractor shall provide and install the gear box and fuel controls in accordance with the motor manufacturer's specifications. The contractor shall obtain all control cables for the motor and all wire bundles from the motor manufacturer.

Installation of the motor, controls, lubrication and fuel supply systems, pressure gauges, battery connections, etc., shall be verified by an authorized representative of the motor manufacturer.

The contractor shall comply with the breaking-in procedures for the motor set out by the manufacturer.

11. Fuel supply system

Fuel supply systems shall be compliant with the Construction Standards for Small Vessels (TP 1332). Systems shall include the following elements:

A fixed tank with an 80-litre capacity.
All fuel valves shall be identified and easily accessible.

All fuel lines shall have a minimum diameter of 3/8 of an inch, and shall be approved.

The fuel supply system shall be equipped with a filtration system (to separate contaminants from the water) that is easily accessible for maintenance purposes, and that is equipped with certified 2-micron and 10-micron cartridges.

Fuel supply system valves and fittings shall be made of bronze or stainless steel.
Equipped with an anti-siphon valve.
Equipped with a stop valve.
Tank composed of plastic in accordance with applicable standards.

Provide the proposed fuel supply system for evaluation.

12. Trailer

The contractor shall provide a single-axle aluminium trailer, compatible with the boat, and all parts necessary to secure it to the boat, a two-inch hitch, electrical connections, signal lights (LED type), in accordance with the Quebec Highway Safety Code.

The trailer shall have a spare tire attached to it, as well as a jockey wheel.

13. Training

The contractor shall provide training on the electric components onboard the boat, in English or in French, to at least 2 and maximum 4 ECCC employees when the boat is delivered or at a later date, before March 31, 2018. The training shall take place in Quebec City or Montreal.

When the contract is awarded, the client shall set out a minimum of 3 meetings schedule with the supplier, at the supplier's address to specify the details of the vessel.

Annex B

Basis of payment

ENVIRONMENT AND CLIMATE CHANGE CANADA

SUPPLY OF ONE (1) 5.5 TO 6.5 M LONG WORK BOAT WITH ALUMINIUM HULL, CONSOLE, OUTBOARD ENGINE AND OPTIONS.

PROJECT N° : K4C23-180325

PRICE SCHEDULE

TABLE OF UNIT PRICE :

It is agreed that the following table is the table of unit price to use for contract purposes

SCHEDULED WORK					
Item	Description	Unit	Unit Price	Quantity	FIRM PRICES
1.0	Work boat between 5.5 to 6.5 meters long with aluminium hull.	global	\$ _____	1.0	\$ _____
1.1	90 HP two-stroke marine outboard motor, fuel injection, electric start and trim tab.	global	\$ _____	1.0	\$ _____
1.2	Console and other parts and accessories as stated in the Technical Statement of Requirement (other than 1.0 and 1.1 above).	global	\$ _____	1.0	\$ _____
1.3	Outboard Installation and Boat Preparation (including all mechanical, electrical and other equipment provided by the Contractor as outlined in the Technical Requirement Statement	global	\$ _____	1.0	\$ _____
1.4	Trailer as described in Section 12 of the Technical Statement of Requirement	global	\$ _____	1.0	\$ _____
1.5	Operational trials (at sea) and other tests and trials as required in TP1332.	global	\$ _____	1.0	\$ _____
1.6	Training as described in Section 13 of the Technical Statement of Requirement.	global	\$ _____	1.0	\$ _____
1.7	Transport * (the trailer to be used for transport).	global	\$ _____	1.0	\$ _____
Total Scheduled Work:					\$ _____

ENVIRONMENT AND CLIMATE CHANGE CANADA

SUPPLY OF ONE (1) 5.5 TO 6.5 M LONG WORK BOAT WITH ALUMINIUM HULL, CONSOLE, OUTBOARD ENGINE AND OPTIONS.

PROJECT N° : K4C23-180325

PRICE SCHEDULE

TABLE OF UNIT PRICE :

It is agreed that the following table is the table of unit price to use for contract purposes

OPTIONAL WORK					
Item	Description	Unit	Unit Price	Quantity	FIRM PRICES
2.0	After-sales service, other than warranty work. Final amount to be prorated. Hourly Rate \$ _____	hour	\$ _____	40.0	\$ _____
2.1	Installation of a Garmin-branded VHF 210i AIS marine radio with antenna provided by Canada.	global	\$ _____	1.0	\$ _____
2.2	Installation of a Garmin GPS, model electronic chart and echosounder with screen model GPSMAP 7610xsv with the BlueChart G2 maps of the St. Lawrence River between Kingston and the Island of Orleans including the Richelieu River and	global	\$ _____	1.0	\$ _____
Total – Optional Work :					\$ _____

*Customs duties are included and all applicable taxes are extra, if applicable.

Specify the boat brand name: _____

Specify the boat model number: _____

Specify the motor brand name: _____

Specify the motor model number: _____

ANNEX « C »

Technical Bid Information Sheet

#	Description	Technical references within the bid documents (Page #, paragraph, etc.)
1) Relevant experience of the company (bidder)		
The bidder must demonstrate that he has carried out a minimum of 2 similar projects during the last 5 years.		(To provide at bid closing)
Similar Project no.1	Project title:	
	Project value:	
	User's reference: (client of the bidder)	
	Start date:	
	End date:	
	Description of the vessel:	Make and model:
		Make and model of the engine:
		Length:
		Width:
		Draft:
		Capacity (lbs):
		Weight:
Similar Project no.1	Project title:	
	Project value:	
	User's reference: (client of the bidder)	
	Start date:	
	End date:	
	Description of the vessel:	Make and model:
		Make and model of the engine:
		Length:
		Width:
		Draft:
		Capacity (lbs):
		Weight:

2) Bidder's Certification		(To provide within two (2) working days of the written request)
2) a.	Provide an OEM certification for the proposed boat	
2) b.	Provide an OEM certification for the proposed engine	
3) Bidder's Employees Certification		(To provide within two (2) working days of the written request)
3) a.	The Bidder must provide an OEM certification for an employee to perform various maintenance and repair work on the proposed boat.	
3) b.	The Bidder must provide an OEM certification for an employee to perform various maintenance and repair work on the proposed engine.	
4) Bidder's Welding Certification		(To provide within two (2) working days of the written request)
4) a.	The Bidder must provide proof of welding certification by the Canadian Welding Bureau (CSB) in accordance with the requirements of CSA Standard W47.2, Certification of Aluminum Fusion Welding Companies.	
5) Type plans to provide		(To provide within two (2) working days of the written request)
5) a.	One line Type Plan (diagram) Provide a one line type plan, normally provided with this type of boat.	
5) b.	Fuel distribution Type Plan (diagram) Provide a fuel distribution type plan, normally provided with this type of boat.	
6) Minimal performance criteria of the submitted equipment		(To provide within two (2) working days of the written request)
6) a.	Item 1.2 of the TSOR Total length between 5.5 and 6.5 meters	
6) b.	Item 1.3 of the TSOR Total width between 1,8 and 2.4 meters	
6) c.	Item 1.4 of the TSOR Height of freeboard of a maximum of 0.4 meters.	
6) d.	Item 1.6 of the TSOR Total capacity of 4 persons and 150 Kg of material.	
6) e.	Item 1.10 of the TSOR The maximum total weight of the vessel must be less than 3 100 kg.	

Solicitation No. - N° de l'invitation
K4C23-180325/A
Client Ref. No. - N° de réf. du client
K4C23-180325

Amd. No. - N° de la modif.
File No. - N° du dossier
QCL-7-40125

Buyer ID - Id de l'acheteur
qc1036
CCC No./N° CCC - FMS No./N° VME

7) After sale service		(To provide within two (2) working days of the written request)
7)	The bidder must demonstrate that it has a service center and a parts distribution center that includes a mobile unit that can be deployed to the Port of Quebec, QC, within a maximum of 48 hours. The bidder must provide the address of the service and parts distribution center and a photograph of the service unit.	