



RETURN BIDS TO:

RETOURNER LES SOUMISSIONS À:

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

1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scotia
B3J 1T3
Bid Fax: (902) 496-5016

INVITATION TO TENDER

APPEL D'OFFRES

**Tender 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.

**Soumission 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 et 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

Atlantic Region Acquisitions/Région de l'Atlantique
Acquisitions
1713 Bedford Row
Halifax, N.S./Halifax, (N.É.)
Halifax
Nova Scot
B3J 1T3

Title - Sujet Spare MIB Shaft Inspection	
Solicitation No. - N° de l'invitation F7044-211183/A	Date 2022-08-23
Client Reference No. - N° de référence du client F7044-21-1183	GETS Ref. No. - N° de réf. de SEAG PW-\$HAL-201-11563
File No. - N° de dossier HAL-2-89023 (201)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Daylight Saving Time ADT on - le 2022-09-08 Heure Avancée de l'Atlantique HAA	
F.O.B. - F.A.B.	
Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Crocker, Quentin	Buyer Id - Id de l'acheteur hal201
Telephone No. - N° de téléphone (902) 478-8034 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: DEPARTMENT OF FISHERIES AND OCEANS CFB SHEARWATER BONAVENTURE STREET RESPONSIBILITY CODE: H9610 SHEARWATER NOVA SCOTIA B0J3A0 Canada	

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée See Herein – Voir ci-inclus	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 Security Requirements

There is no security requirement applicable to the Contract.

1.2 Statement of Work

The Statement of Work is detailed under Annex A of the resulting contract clauses.

1.3 Debriefings

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

1.4 Canada Post Corporation's (CPC) Connect service

This bid solicitation allows bidders to use the CPC 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](#) (2022-03-29) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services - Competitive Requirements, is amended as follows:

Delete: 60 days
Insert: 90 days

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 in the bid solicitation.

A. CPC Connect Service

TPSGC.RAReceptionSoumissionsNE-ARBidReceivingNS.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 CPC Connect conversation, as detailed in Standard Instructions [2003](#), or to send bids through an CPC Connect message if the bidder is using its own licensing agreement for CPC Connect.

***Bidders are requested to open an CPC Connect conversation 6 days prior to bid closing**

B. Hard Copy

Bid Receiving, Public Works and Government Services Canada
1713 Bedford Row
Halifax, Nova Scotia B3J 1T3

Mail room hours: Tuesday - Thursday – 8 am to 4 pm

C. Facsimile

902-496-5016

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 Nova Scotia.

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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with section 08 of the 2003 standard instructions. The CPC Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid
Section II: Financial Bid
Section III: Certifications
Section IV: Additional Information

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (1 hard copy & 1 soft copy on portable USB flash drive)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (1 hard copy)

Section IV: Additional Information (1 hard copy)

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through CPC Connect service, the wording of the electronic copy provided through CPC Connect service will have priority over the wording of the other copies.

If there is a discrepancy between the wording of the soft copy on electronic media and the hard copy, the wording of the hard copy will have priority over the wording of the soft 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 hard copy 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](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>). To assist Canada in reaching its objectives, bidders should:

Include all environmental certification(s) relevant to your organization (e.g., ISO 14001, Leadership in Energy and Environmental Design (LEED), Carbon Disclosure Project, etc.)
Include all environmental certification(s) or Environmental Product Declaration(s) (EPD) specific to your product/service (e.g., Forest Stewardship Council (FSC), ENERGYSTAR, etc.)
Unless otherwise noted, bidders are encouraged to submit bids electronically. If hard copies are required, bidders should:

- a. 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
- b. 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.

Section III: 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 “C” Electronic Payment Instruments, to identify which ones are accepted.

If Annex “C” Electronic Payment Instruments is not completed, it will be considered as if Electronic Payment Instruments are not being accepted for payment of invoices.

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

3.1.2 Exchange Rate Fluctuation

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

3.1.3 SACC Manual Clauses

Section III: Certifications

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

Section IV: Additional Information

3.1.4 Bidders must provide certification and or additional supporting information that demonstrates the capability & suitability of the proposed equipment.

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 technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Technical Criteria

To be deemed responsive, offerors shall meet the requirements found in Annex A – Statement of Work.

4.1.3 Financial Evaluation

SACC Manual Clause [A0220T](#) (2014-06-26), Evaluation of Price-Bid

4.2 Basis of Selection

SACC manual Clause [A0031T](#) (2010-08-16), Basis of Selection – Mandatory Technical 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](#) 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](#) website.

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.

5.2.3 Additional Certifications Precedent to Contract Award

5.2.3.1 Workers Compensation – Letter of Good Standing

The Bidder must have an account in good standing with the applicable provincial or territorial Workers' Compensation Board.

The Bidder must provide, within 3 days following a request from the Contracting Authority, a certificate or letter from the applicable Workers' Compensation Board confirming the Bidder's good standing account. Failure to comply with the request may result in the bid being declared non-responsive.

5.2.3.4 Education and Experience

SACC Manual clause [A3010T](#) (2010-08-16) Education and Experience

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 Requirement is detailed under Annex "A" of the resulting Contract Clauses.

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 \(2022-01-28\)](#), 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

6.4.2 Delivery Date

All the deliverables must be received within 18 weeks of contract award.

6.4.5 Delivery Points

Delivery of the requirement will be made to:

CFB Shearwater storage pad facility
Bonaventure St., Shearwater, NS
BOJ3A0

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Quentin Crocker
Title: Supply Team Leader, Marine Procurement
Public Works and Government Services Canada
Acquisitions Branch

Telephone: (902) 478-8034
E-mail address: Quentin.crocker@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.

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Buyer ID - Id de l'acheteur
HAL201
CCC No./N° CCC - FMS No./N° VME

6.5.2 Technical Authority

The Technical Authority for the Contract is:

Name: Joanna Thorne
Title: Class Desk Officer, Marine Engineering
Organization: Canadian Coast Guard

Telephone: (709)-730-0823
E-mail address: joanna.thorne@dfo-mpo.gc.ca

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

Name:
Title:

Telephone:
E-mail address:

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 a firm price of \$ _____ (*insert the amount at contract award*). 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.

6.6.2 Limitation of Price

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

6.6.3 Single Payment

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

6.6.4 Electronic Payment of Invoices – Contract

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

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

6.7 Invoicing Instructions

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.

Each invoice must be supported by:

- a. a copy of time sheets to support the time claimed;
- b. a copy of the release document and any other documents as specified in the Contract;
- c. a copy of the invoices, receipts, vouchers for all direct expenses, and all travel and living expenses;

Invoices must be distributed as follows:

- a. The original and one (1) copy must be forwarded to the following address for certification and payment.

Canadian Coast Guard - Marine Engineering
50 Discovery Drive - Level 4
Dartmouth, NS B2Y 3Z8

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 Nova Scotia.

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 (2022-01-28);
- (c) Annex A, Statement of Work;

- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____ .

6.11 SACC Manual clauses

SACC Manual Clause [G1005C](#) (2016-01-28) Insurance – No specific Requirement
SACC Manual Clause [B1006C](#) (2014-06-26) Condition of Material
SACC Manual Clause [A3015C](#) (2014-06-26) Certifications
SACC Manual Clause [D0018C](#) (2007-11-30) Delivery and Unloading

6.12 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](#)".

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Buyer ID - Id de l'acheteur
HAL201
CCC No./N° CCC - FMS No./N° VME

ANNEX "A" - STATEMENT OF WORK

Annex A
SOW shaft inspection Medium Interim Icebreakers (MIB)

Statement of Work
(SoW)

**For the Inspection of a
Propulsion Tailshaft for the
Canadian Coast Guard (CCG)
Medium Interim Icebreakers (MIB)**



Annex A
SOW shaft inspection Medium Interim Icebreakers (MIB)

Scope

1 Tailshaft Inspection

- 1.1 The Canadian Coast Guard (CCG) requires an inspection of a spare Medium Interim IceBreaker (MIB) class propulsion tailshaft
- 1.2 The Contractor must perform a comprehensive propulsion tailshaft examination as described in this statement of work (SOW) and in accordance with the regulatory class regulations.
- 1.3 Upon contract award, the Contractor must provide to the TA a detailed work schedule identifying projected dates for the implementation of all work in this SOW including dates requiring the presence of a DNV inspector.

Introduction

- 1.4 The Medium Interim IceBreakers (MIBs) of the Canadian Coast Guard are multi-tasked vessels capable of several tasks to support mandates of the Department of Fisheries and Oceans (DFO) and Canadian Coast Guard (CCG) such as search and rescue, ice breaking, channel maintenance, vessel traffic, and aiding navigation. The three (3) MIBs are the CCGS Captain Molly Kool, the CCGS Jean Goodwill and the CCGS Vincent Massey and are based out of St. John's NL, Dartmouth NS and Quebec City, QC respectively.
- 1.5 The spare propulsion tailshaft is a hollow steel shaft, measurements listed below, and has been stored outside for an extended period of time. The intent of this contract is to have this spare tailshaft cleaned, inspected, examined and certified by classification society DNV, protected against rust and re-packaged for long term storage, and then returned to Canadian Forces Base (CFB) Shearwater storage facility.
- 1.6 The Contractor must provide transportation for one (1) CCG MIB Class propulsion tailshaft from the CFB Shearwater storage facility located in Shearwater, Nova Scotia to the Contractor's facility and back again after completion of work.

Shaft details

Annex A
SOW shaft inspection Medium Interim Icebreakers (MIB)

1.7 The measurements of the shaft are as follows:

Weight: approximately 19,400.0 kg
Length: 16,500.0 mm
Diameters: 490.0 mm, 462.0 mm, and, and 447.0 mm.
Flange Width 150.0 mm
12 M20 x 60 holes are drilled and threaded along the periphery of the flange

Note: Drawings available if requested.

Table 1: Non-Government Documents

	Identification	Document Name
2	C.R.C. 1467	Safe Working Practices Regulations

2. Mandatory Requirements

Transportation Requirements

- 2.1. The Contractor must provide all equipment and materials required for the safe handling and transportation of the propulsion tailshaft from the point of origin to the final destination and all points in between for the duration of the entire contract period.
- 2.2. The Contractor must be responsible to arrange all transportation for the tailshaft from CFB Shearwater storage pad facility to the Contractor's facility and back to CFB Shearwater on completion of work. This must include all crane work, transportation agent and materials that must be supplied to properly support and protect the shaft while in transit.
- 2.3. The shaft must be properly supported at all times and not contact in the tapered areas, end hubs, or in way of the flanged end.
- 2.4. The shaft must be supported at equally spaced intervals along its entire length with supports no more than 2.0 meters apart. The supports must properly cradle the shaft to avoid deformation.

Lathe Requirements

- 2.5. The Contractor must have access to a metal working lathe that has the

Annex A
SOW shaft inspection Medium Interim Icebreakers (MIB)

- capability to turn the shaft and support its entire length without incurring damage by grooving; and
- 2.5.1. provide documentation to PSPC that certifies the intended lathe is capable of performing the task. CCG TA reserves the right to stop all work should inspection reveal that the lathe is not compliant with this contract demand.

Cleaning Requirements:

The Contractor must:

- 2.6. completely remove the wooden crating and the protective oil/coating. The existing wooden crating is in a poor state and must not be retained for reuse.
- 2.7. thoroughly clean the shaft of all protective coatings and have the shaft visually inspected by a person agreed upon by the TA and the Contractor for wear and defects, paying particular attention to the following parts:
- 2.7.1. All tapers from one diameter transition to the next; and
- 2.7.2. The rounded radius transition between the flange and the shaft; and
- 2.7.3. The M20 threaded holes along the periphery of the flange
- 2.8. Areas of damage and corrosion must be visually inspected and noted by the Contractor prior to cleaning for further inspection methods. All noted areas of damage and corrosion to be included in the final report. All surfaces of the tailshaft must be prepared for the inspection methods employed.
- 2.9. The Contractor must advise the CCG TA no less than two (2) business days in advance of an opportunity to view the shaft in a “clean inspection state” prior to further work progressing.

Inspection Requirements:

- 2.10. The Contractor must;
- 2.10.1. perform a comprehensive visual examination of the entire shaft.
- 2.10.2. perform a non-destructive examination (NDE) by a surface crack detection method all around the shaft in way of all tapered sections, the flange and its curved transition to the shaft, and the mating sections to the propeller hub and intermediate shafting, All NDEs must be performed by a NRCan NDTCB level II (or better) certified technician.
- 2.10.3. mount the shaft on a suitable lathe and verify alignment and concentricity. Measurements must be recorded on the included measurement form at the indicated positions at ninety (90) degrees radially

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(horizontal and vertical)

- 2.10.4. provide propulsion tailshaft run-out readings on the included measurement form at the indicated positions.
 - 2.10.5. Unless otherwise specified, the tailshaft measurements must be taken and reported in hundredths of a millimeter (0.00mm). All measuring devices must be described on the submitted reporting sheets with certificates of calibration.
 - 2.10.6. All measurements as specified in this SOW must be recorded for inclusion in the final report and must be verified against original shaft dimensions as detailed on the shaft drawing
 - 2.10.7. must measure and indicate on the tailshaft drawing the extent of grooving on each shaft. The lathe steady-rest must not interfere with the shaft surface in way. The Contractor must ensure that the lathe's steady-rest does not groove the shaft.
- 2.11. The Contractor must inform the TA or delegate of the opportunity to view the process to obtain runout readings prior to the commencement of taking runout readings
- 2.12. All defects and measurements exceeding drawing tolerances must be immediately reported to the TA for assessment and possible corrective action.

DNV certification

- 2.13. The Contractor must obtain class society certification for the propulsion tailshaft by Det Norske Veritas (DNV)
- 2.14. In the event the propulsion tailshaft does not receive certification by DNV, the Contractor must immediately advise the CCG TA or delegate with the reasons for the failure and what must be done to obtain certification. The final shipping destination may be revisited in this event in consultation with the TA.
- 2.15. The Contractor's Quality Assurance Plans must be IAW with ISO 9001-2015

Acceptance, Preservation and Tailshaft return

- 3.1. The Contractor must afford the TA, or delegate, and the DNV- Surveyor the opportunity to witness all shaft NDE, shaft run-out, shaft liner wear and concentricity examinations. In addition to the work schedule requested in this

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SOW, the Contractor must provide the TA and the DNV Surveyor a minimum of two (2) working days notice of all inspections requiring their presence.

- 3.2. In the event that the propulsion tailshaft is determined to be non-certifiable at any point throughout the process, the Contractor will not be required to complete the remaining work as listed. The Contractor is to provide separate pricing for preservation and repackaging (wooden lathes and metal banding) of the propulsion tailshaft.
- 3.3. For the return of the shaft to CCG, it must be re-packaged and suitably protected against rust with a manufacturers approved product followed by crating with new wooden lathes supported by metal banding.
- 3.4. Following acceptance of the measurements and approval by DNV, the Contractor must:
 - 3.4.1. Recoat the propulsion tailshaft with an OEM recommended shaft protective coating in consultation with the TA.
 - 3.4.1.1. In consultation with the OEM:
 - 3.4.1.1.1. the dry shaft is to be treated with one (1) sprayed layer of Dinitrol 39 or similar and two (2) layers of Dinitrol 3641- E or similar.
 - 3.4.1.1.2. For hollow shafts, the centre hole shall be filled with oil and the shaft ends to be sealed off.
 - 3.4.1.2. Repackage the protected shafts with new wooden lathes supported by metal banding for long term storage outdoors.
 - 3.4.3. Ship the tailshaft to CFB Shearwater storage facility

Deliverables:

- 4 The Contractor must deliver:
 - 4.1. A completed written report of all findings, examinations, defects, photos and measurements taken IAW the mandatory inspection requirements IAW Section 2.10 to be submitted, prior to the transportation of the return shaft, to the CCG TA in electronic (PDF) format

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4.2. A certification by classification society DNV IAW Section 2.13. The Contractor must provide to the TA, before the close of the contract, signed original copies and copies in electronic (PDF) format of the DNV survey certificates for the propulsion tailshaft.

4.3. The propulsion tailshaft must be delivered to the TA designated location.

Expected Start and Completion Dates

Work will begin upon contract award and must be completed within 18 weeks of contract award.

Acronyms

CCG	Canadian Coast Guard
DFO	Department of Fisheries and Oceans
CFB	Canadian Forces Base
MIB	Medium Interim Icebreakers
TA	Technical Authority
PSPC	Public Services and Procurement Canada
IAW	In Accordance With
DNV	Det Norske Veritas
SOW	Statement of Work
NDE	Non Destructive Examination

Annex A
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Photographs



Annex A
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Solicitation No. - N° de l'invitation
F7044-211183/A
Client Ref. No. - N° de réf. du client
F7044-21-1183

Amd. No. - N° de la modif.
File No. - N° du dossier
HAL-2-89023

Buyer ID - Id de l'acheteur
HAL201
CCC No./N° CCC - FMS No./N° VME

ANNEX "B" - BASIS OF PAYMENT

Spare MIB Tail shaft inspection & Certification			
Line Item	Description		Unit Price (HST excluded)
1	Transport of Shaft to Contractor location		\$ _____
2	cleaning & Inspection		\$ _____
3	Condition report/ DNV Approval		\$ _____
4	Preservation & repackaging <u>or</u>		\$ _____
5	Return Shipment		\$ _____
	Extended Cost		\$ _____

- **Note that a Contract Amendment will be issued if the shaft inspection determines that the shaft will be disposed of.**

Solicitation No. - N° de l'invitation
F7044-211183/A
Client Ref. No. - N° de réf. du client
F7044-21-1183

Amd. No. - N° de la modif.
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ANNEX "C" to PART 3 OF THE BID SOLICITATION

ELECTRONIC PAYMENT INSTRUMENTS

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

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

ANNEX "D" – INTEGRITY PROVISIONS

[must be completed and submitted with bid]

The Integrity Provision of General Conditions 2010 requires that bidders supply the following:
List of Names

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder. Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s). Bidders bidding as societies, firms, or partnerships do not need to provide lists of names.

A. If the required list of names has not been received by the time the evaluation of bids is completed, Canada will inform the Bidder of a time frame within which to provide the information. Failure to provide the names within the time frame specified will render the bid non-responsive. Providing the required names is a mandatory requirement for contract award.

B. The Bidder must immediately inform Canada in writing of any changes affecting the list of names of directors during this procurement process.

Complete Legal Name of Company _____
PBN _____

List of names of the current Board of Directors or Owners:

