



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

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

Public Works and Government Services Canada -
Pacific Region
401 - 1230 Government Street
Victoria, B. C.
V8W 3X4

Title - Sujet CCGS Eckaloo - Navigation Lights NGCC Eckaloo- lumières de navigation	
Solicitation No. - N° de l'invitation F7049-220154/A	Date 2022-09-02
Client Reference No. - N° de référence du client F7049-220154	GETS Ref. No. - N° de réf. de SEAG PW-\$XLV-176-8398
File No. - N° de dossier XLV-2-45040 (176)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Pacific Daylight Saving Time PDT on - le 2022-09-23 Heure Avancée du Pacifique HAP	
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: Godin, Andre	Buyer Id - Id de l'acheteur xlv176
Telephone No. - N° de téléphone (250) 216-2504 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Fisheries and Oceans Canada See herein	

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 associated with this bid solicitation.

1.2 Requirement

The requirement is detailed in Annex A - Requirement

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.

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.RPRceptiondessoumissions-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.

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 **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.

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

The Bidder must submit its bid electronically. 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

Bids transmitted by facsimile or hardcopy will not be accepted. The bid must be gathered per section and separated as follows:

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.

The Statement of requirement, Annex A, is entirely mandatory. All details as contained in the Requirement, attached at Annex "A" are mandatory. In order for a Bidder's submission to be found responsive, the Bidder must demonstrate in their Technical bid that the product being offered meets or exceeds all the technical specifications as stated and that there are no deviations.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Annex – C – Financial evaluation sheet.

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

The requirement does not offer exchange rate fluctuation risk mitigation. Requests for exchange rate fluctuation risk mitigation will not be considered. All bids including such provision will render the bid non-responsive.

3.1.3 Mandatory Tender Deliverable Check List

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 describe below.

For details and to complete please refer to Annex D – Tender deliverables

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

4.1.1.1 Mandatory Technical Criteria

The Statement of requirement, Annex A, is entirely mandatory. All details of the navigation lights in the Requirement, attached at Annex "A are mandatory. In order for a Bidder's submission to be found responsive, the Bidder must demonstrate in their Technical bid that the product being offered meets or exceeds all the technical specifications as stated and that there are no deviations.

4.1.2 Financial Evaluation

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

4.2 Basis of Selection

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

PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

- Transport Canada Recognized Organization (RO) type approval certificates for the navigation lights.

5.1.1 Integrity Provisions - Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

5.2 Certifications Precedent to Contract Award and Additional Information

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

5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real property agreement of the [Ineligibility and Suspension Policy](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#) website (<https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#>).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

6.1 Security Requirements

There is no security requirement applicable to this Contract.

6.2 Requirement

The Contractor must provide the items detailed in Annex A.-Requirement

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 Delivery Date

Deliverable must be received on or before November 1, 2023.

6.4.3 Delivery Points (INCOTERM 2010 DDP)

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

Canadian Coast Guard Base Hay River,
42037 Mackenzie Hwy,
Hay River, NT.
X0E 0R9
Canada

6.4.3 Shipping Instructions – Delivered Duty Paid

Goods must be consigned and delivered to the destination specified in the contract:

Incoterms 2010 "DDP Delivered Duty Paid" – Hay River, NWT, Canada

1. The Contractor will be responsible for all delivery charges, administration, costs and risk of transport and insurance including customs clearance and the payment of customs duties and taxes. (As applicable.)
2. The Contractor is to inform the Contracting Authority named herein when the shipment has been consigned for delivery and is to provide shipping details in the form of traceable waybill numbers, or other applicable information.

6.4.4 Delivery and Unloading

SACC Manual clause D0018C (2007-11-30), Delivery and Unloading

6.4.5 Wood packaging materials

All wood packaging materials used in shipping must conform to the [International Standards for Phytosanitary Measures No. 15: Regulation of Wood Packaging Material in International Trade \(ISPM 15\)](#).

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Pertinent additional information on Canada's import and export programs is provided in the following Canadian Food Inspection Agency policy directives:

D-98-08 - [Entry Requirements for Wood Packaging Materials Produced in All Areas Other Than the Continental United States](#)

D-13-01 – [Canadian Heat Treated Wood Products Certification Program \(HT Program\)](#)

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Andre Godin
Title: Manager
Acquisitions, Marine
Public Works and Government Services Canada
Address: 1230 Government Street, Suite 401 V8W 3X4 Canada
Telephone: 250-216-2504
Facsimile: 250-363-3960
Email: andre.godin3@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 will be identified in the Contract.

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	Email
Contracting issues			
Technical issues			
Invoicing issues			

6.6 Payment

6.6.1 Basis of Payment

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In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified in **Annex A-Requirement** for a cost of \$ _____. Customs duties are *included* and Applicable Taxes are extra.

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

6.6.2 Limitation of Price

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.

6.6.3 Single Payment

H1000C 2008-05-12 Single Payment

6.6.4 SACC Manual Clauses

C0100C 2010-01-11 Discretionary Audit – Commercial Goods and/or Services

6.6.5 Electronic Payment of Invoices – Contract

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:

VLE MLM Program Integrated Tech Services
Integrated Technical Services
200 Kent Street,
STN. 7N157
Ottawa
Ontario
K1A 0E6
Canada
Attention: Diane Beaudry-Boucher

An electronic invoice must be sent for verification to:

PAC.MARINE@pwgsc-tpsgc.gc.ca Attention: Andre Godin

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.

6.8.2 Federal Contractors Program for Employment Equity - Default by the Contractor

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour,

the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "**FCP Limited Eligibility to Bid**" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms 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 _____ (*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 2010A (2022-01-28) General conditions: Goods (medium complexity);
- (d) Annex A, Requirement;
- (e) Annex B, Basis of Payment
- (f) the Contractor's bid dated _____

6.11 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**".

6.12 Insurance

6.12.1 Commercial General Liability Insurance

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.
2. The Commercial General Liability policy must include the following:
 - a. Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.
 - b. Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.
 - c. Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.
 - d. Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.
 - e. Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.
 - f. Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.
 - g. Employees and, if applicable, Volunteers must be included as Additional Insured.

- h. Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)
- i. Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.
- j. Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.
- k. If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.
- l. Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.
- m. All Risks Tenants Legal Liability - to protect the Contractor for liabilities arising out of its occupancy of leased premises.
- n. Litigation Rights: Pursuant to subsection 5(d) of the *Department of Justice Act*, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

*Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8*

For other provinces and territories, send to:

*Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8*

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

6.13 Procedures for Design Changes or Additional work

B5007C 2010-01-11 Procedures for Design Change or Additional Work

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ANNEX "A"- REQUIREMENT

CCGS ECKALOO NAVIGATION LIGHT TECHNICAL PERFORMANCE SPECIFICATION

A Identification

- A.1 The Canadian Coast Guard Ship (CCGS) Eckaloo is a 49m Special Nav aids Vessel operating in the Great Slave Lake and Mackenzie River area of the North West Territories. The vessel's current fit is a Prime Mover Controls, 8010, Navigation Control panel and Aqua Signal, Type 70D, navigation lights.
- A.2 Canada requires a replacement set of LED navigation lights and a navigation light control panel to operate the navigation lights.
- A.3 The control panel and lights will be installed on the CCGS Eckaloo under a separate contract.

B References

B.1 Equipment Data

B.1.1 Electrical:

- a) The fitted control panel located in the Bridge operates off two 115vac supplies.
- b) The fitted navigation lights are as follows;

i) Wheelhouse Top

NL2 - 1 x Double Stbd Navigation Light 60w Green – Watertight Ganged Receptacle/Screw Cap/Chain/Watertight Plug

NL3 - 1 x Double Port Navigation Light 60w Red – Watertight Ganged Receptacle/Screw Cap/Chain/Watertight Plug

ii) Mast

NL1 – 1 x Double Masthead Navigation Light 60w White - Watertight Ganged Receptacle/Screw Cap/Chain/Watertight Plug

NL5 – 1 x Double Anchor Navigation Light 60w White - Watertight Ganged Receptacle/Screw Cap/Chain/Watertight Plug

NL8 – 2 x Double NUC Navigation Light 60w Red – Watertight JB

NL9 – 2 x Double RIAM Navigation Light 60w White – Watertight JB

NL10 - 2 x Double NUC Navigation Light 60w Red – Watertight JB

iii)Stern

NL4 - 1 x Double Stern Navigation Light 60w White – Watertight Ganged
Receptacle/Screw Cap/Chain/Watertight Plug

B.2 Drawings

B.2.1 The following drawings are to be considered as guidance drawings:

Drawing Number	DRAWING TITLE	Number of Sheets
E08-117-410	Navigation Lighting, Floodlights and Searchlights Arrangement	1
E08-117-191	General Arrangement Rev D	1
E08-117-25	E08-117-25-CCGS Eckaloo Mast Structure Rev D	1

B.3 Regulations and Standards

B.3.1 The following Standards and Regulations apply to work carried out. The Contractor must ensure all work completed in this section meets these Standards and Regulations as well as any other pertinent Federal/Territorial Regulation or Standard:

#	REGULATION / STANDARD TITLE
ISO 9000	International Standards Organization (ISO) ISO 9000
N/A	International Protection Marking IEC standard 60529
N/A	Canada Shipping Act (CSA) CSA 2001
TP 127	Ships Electrical Standards
N/A	Rules and Regulations for the Classification of Ships of a Transport Canada Recognized Organizations (RO) such as; American Bureau of Shipping (ABS).
IMO MSC/83/28/Add 3	Adoption of the Performance Standards for Navigation Lights, Navigation Light Controllers and Associated Equipment
COLREGS	Convention on the International Regulations for Preventing Collisions at Sea, 1972

B.3.2 The CCGS Eckaloo is not classed under a classification societies member of International Association of Classification Society (IACS). ABS, is acting as an inspection authority under the Delegated Ship Inspection Program (DSIP) for Transport Canada Marine Safety and Security (TCMSS)

B.3.3 ABS will be requested to provide inspection services for the installation, testing and operational tests of the navigation lights to the standards outlined in this technical statement of requirements.

C **Statement of Work**

C.1 The Contractor must supply a set of navigation lights and navigation light controller.

C.2 The navigation lights must meet the following general specifications;

- a) The navigation light controller and navigation lights must meet the regulatory requirements listed in the IMO resolution MSC/83/28/Add 3.
- b) The navigation light controller and navigation lights must meet the electrical standards listed in TP127.
- c) The Arctic rated LED Navigation Lights must be maintenance free and rated for 110,000 hrs duration minimum.
- d) The Arctic rated LED lights must be rated for -40 Deg Celsius minimum and must be designed specifically for Arctic going vessels incorporating thermal management properties and lighting protection.
- e) The Arctic LED lights must have integral heating circuit requiring no separate power supply contained within the light which must turn on automatically when the temperature drops below 0 Deg Celsius for maintenance free de-icing.
- f) The Arctic rated LED lights must seamlessly integrate into the control panel allow internal monitoring of hours and temperature variances within the navigation light causing alarm on the control panel when limits are reached.

C.2.2 Individual navigation lights must meet the following specifications

- a) Arctic LED, Port IMO, Red lens Navigation light, 112.5 degree, 3NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.
- b) Arctic LED, Starboard IMO. Green lens Navigation light. 112.5 degree, 3NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.
- c) Arctic LED, Masthead IMO, White lens Navigation light, 225 degree, degree, 6NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.

- d) Arctic LED, Stern IMO, White lens Navigation light, 135 degree, 3NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.
 - e) Arctic LED, All Round White IMO, White lens Navigation light, 360 degree, 3NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.
 - f) Arctic LED Masthead IMO, White lens Navigation light, 225 degree, 6NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.
 - g) Arctic LED, All Round Red IMO, Red lens Navigation light, 360 degree, 3NM 360 degree, 3NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.
 - h) Arctic LED, All Round White IMO, White lens Navigation light, 360 degree, 3NM Visibility, 115VAC (Reserve 115VAC), IP67, Housing polycarbonate glass fiber reinforced, Anodized aluminum lid, Fresnel lens, Main and Standby in single housing, 110,000 Hour life on LED's, Suitable down to -45C.
- C.2.3 The contractor must provide a watertight brass receptacle, double gang, fitted with brass plug and chain for those lights shown in B.1.1.
- C.2.4 The navigation light controller must have the following functions;
- a) ability to control up to 12 main and 12 standby lights plus 2 others,
 - b) overload protection and means to disconnect / isolate power from light;
 - c) indication of primary and secondary electrical supplies on/available/failed;
 - d) ability to manually switch to secondary electrical supply;
 - e) ship and mast symbol and coloured diodes representing ship's lights showing on/off and failure;
 - f) indication of 'A' or 'B' light in use;
 - g) visible and acoustic fault alarms.

h) Dimmable indicator lamps

C.3 Warranty

- C.3.1 Warranty period must be the later of last 12 months from commissioning.
- C.3.2 For the purpose of the installations, the various components may need to be separated and subsequently reassembled. If separation and reassembly is required, this practice must not void the warranty.
- C.3.3 The Contractor must indicate if warranty requires Field Service Representative installation and commissioning.

D Proof of Performance

D.1 Inspection Points

- D.1.1 The Contractor must provide to the Technical Authority the Factory Acceptance Testing procedures and results for the delivered units that were carried out at the manufacturer's facility.

D.2 Testing/Trials

- D.2.1 The Contractor must indicate if any tests must be conducted upon installation in order to qualify the equipment warranty and must provide a plan for any such tests.

D.3 Certification

- D.3.1 The Contractor must supply RO (Class) Approval Certificate documentation at the bid stage. The current RO for Eckaloo is ABS.

D.4 Documentation

- D.4.1 Documentation listed below must be provided electronically in English and French, as follows: One electronic copy of each document in both PDF format and in the original source editable format, latest version of either Word or Excel or AutoCAD, via memory stick or FTP site (not email). The Contractor must supply the following documentation within one month after Contract award:
 - a) navigation light housing mounting arrangement and dimensions (may be part of general arrangement);
 - b) navigation light controller mounting arrangement and dimensions;
 - c) electrical diagram;

- d) commissioning check list;
- e) maintenance instructions;
- f) operating instructions;
- g) installation instructions/procedures;
- h) list of consumable spares;
- i) list of parts;
- j) list of life cycle spares if any;
- k) list of special tools if any; and
- l) fault finding procedures.

Solicitation No. - N° de l'invitation
F7049-220154/A
Client Ref. No. - N° de réf. du client
F7049-220154/A

Amd. No. - N° de la modif.
File No. - N° du dossier
XLV-2-45050

Buyer ID - Id de l'acheteur
XLV176
CCC No./N° CCC - FMS No./N° VME

ANNEX B - BASIS OF PAYMENT

Remark to Bidder: Annex B will form the Basis of Payment for the resulting contract and should not be filled in at the bid submission stage.

B1. Contract Price

ITEMS	DESCRIPTION –	Quantities	Unit Price	Lot Price
A	Navigations lights and panel, etc. As per the Annex "A" – Requirement for a FIRM PRICE of (\$CAD):	1	\$	\$
B	Packing / Crating of equipment of Annex A-Requirement FIRM PRICE of (\$CAD):	1	\$	\$
C	Items A (this table) - Delivery Per Incoterm 2010 DDP , Hay River, NWT. Canada. FIRM PRICE of (\$CAD)	1	\$	\$
D	Contract Price GST/HST Excluded (A to C) for a FIRM PRICE of (\$CAD):			\$
DELIVERY OFFERED FROM RECEIPT OF ORDER on or before November 1, 2023				

ANNEX C - FINANCIAL EVALUATION SHEET

Bidder's Instructions

The bidder is to enter their pricing in the pricing schedule below.
The bidder should NOT include their terms and conditions with their financial bid submission as it may result in the bid being non-responsive.

C.1 Pricing Schedule

ITEM	DESCRIPTION –	Quantities	Unit Price	Lot Price
A	Navigations lights + Panels, etc. As per the Annex "A" – Requirement for a FIRM PRICE of (\$CAD):	1	\$	\$
B	Packing / Crating of equipment of Annex A-Requirement FIRM PRICE of (\$CAD):	1	\$	\$
C	Items A (this table) - Delivery Per Incoterm 2010 DDP , Hay River, NWT. Canada. FIRM PRICE of (\$CAD)	1	\$	\$
D	Evaluation Price GST/HST Excluded [A to C]: for a FIRM PRICE of (\$CAD):			\$
DELIVERY OFFERED FROM RECEIPT OF ORDER on or before November 1, 2023				

ANNEX D - TENDER DELIVERABLES

D.1 Mandatory Tender Deliverables Checklist

The following are mandatory with the bid 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	Reference	Description	Condition	Document provided
1	Front page	Invitation to Tender document part 1 page 1 completed and signed;	Mandatory with the bid	<input type="checkbox"/>
2	Article 3.1 Section I	Technical Bid Submission	Mandatory with the bid	<input type="checkbox"/>
3	Article 3.1 Section II, Annex C	Financial Evaluation Sheet, completed	Mandatory with the bid	<input type="checkbox"/>
4	5.1	Certifications Required with the Bid	Mandatory with the bid	<input type="checkbox"/>
5	5.2.1 and Annex F	Integrity Provisions – Required Documentation	Mandatory with the bid	<input type="checkbox"/>
6	Articles 6.5.3, Annex D.	Contractor's Representatives, table completed	Mandatory with the bid	<input type="checkbox"/>

D1.1

Supporting Deliverable Requirements

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

No	Reference	Description	Condition	Document provided
1	2.4	Applicable Laws (if applicable)	48 hours of written request	<input type="checkbox"/>
2	Annex E	Electronics payment instruments	48 hours of written request	<input type="checkbox"/>

D.1.2 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			

Solicitation No. - N° de l'invitation
F7049-220154/A
Client Ref. No. - N° de réf. du client
F7049-220154/A

Amd. No. - N° de la modif.
File No. - N° du dossier
XLV-2-45050

Buyer ID - Id de l'acheteur
XLV176
CCC No./N° CCC - FMS No./N° VME

ANNEX E - TO PART 3 OF THE SOLICITATION

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);

Solicitation No. - N° de l'invitation
F7049-220154/A
Client Ref. No. - N° de réf. du client
F7049-220154/A

Amd. No. - N° de la modif.
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ANNEX F - INFORMATION REQUIRED FOR THE VERIFICATION OF INTEGRITY PROVISIONS

Please provide a list of names of the following entities, according to the ownership nature of the company

1. For a Corporation - each current member of the Bidder's Board of Directors;

2. For a Partnership, General Partnership or Limited Partnership - the names of all current partners;

3. For a Sole Proprietorship or an individual doing business under a firm name - the name of the sole proprietor or individual;

4. For a Joint Venture - the names of all current members of the Joint venture;

5. For an individual - the full name of the person
