



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

**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

Title - Sujet CCGS Earl Grey Thermal Boiler Unit	
Solicitation No. - N° de l'invitation F7049-210170/A	Date 2022-02-10
Client Reference No. - N° de référence du client F7049-21-0170	
GETS Reference No. - N° de référence de SEAG PW-\$HAL-311-11451	
File No. - N° de dossier HAL-1-87180 (311)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM Atlantic Standard Time AST on - le 2022-03-01 Heure Normale de l'Atlantique HNA	
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: Dunne, Dave	Buyer Id - Id de l'acheteur hal311
Telephone No. - N° de téléphone (902) 401-4294 ()	FAX No. - N° de FAX (902) 496-5016
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: CCG O5C Warehouse CCGS Earl Grey 13 Akerly Blvd, Door 1 Dartmouth, NS B3B 1S6	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

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

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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Amd. No. - N° de la modif.
File No. - N° du dossier
HAL-1-87180

Buyer ID - Id de l'acheteur
HAL311
CCC No./N° CCC - FMS No./N° VME

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PART 1 - GENERAL INFORMATION

1.1 Requirement

The requirement is detailed under Article 6.2 of the resulting contract clauses.

1.2 Debriefings

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

1.3 Trade Agreements

The requirement is subject to the provisions of 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](#) (2020-05-28) 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
SACC Manual Clause B3000T (2006-06-16), Equivalent Products

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.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in Halifax the email address is:

TPSGC.RARceptionSoumissionsNE-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 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.

Due to the nature of the bid solicitation, bids transmitted by facsimile 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 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 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

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)

Section II: Financial Bid (1 hard copy)

Section III: Certifications (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 epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

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:

- 1) Include all environmental certification(s) relevant to your organization (e.g. ISO 14001, Leadership in Energy and Environmental Design (LEED), Carbon Disclosure Project, etc.)
- 2) Include all environmental certification(s) or Environmental Product Declaration(s) (EPD) specific to your product/service (e.g. Forest Stewardship Council (FSC), ENERGYSTAR, etc.)
- 3) 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 II: Financial Bid

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

3.1.1 Electronic Payment of Invoices – Bid

If you are willing to accept payment of invoices by Electronic Payment Instruments, complete Annex “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

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

4.1.1.1 Mandatory Technical Criteria

Bidders must offer a product that meets Annex “A” - Requirement in its entirety. The technical evaluation will assess whether all mandatory criteria are met.

Refer to Annex “D” Technical Evaluation Criteria.

4.1.2 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars, Applicable Taxes excluded, Delivery Duty Paid, Canadian customs duties and excise taxes included.

Refer to Annex “E” Financial Evaluation.

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 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 the Contract.

6.2 Requirement

The Contractor must provide one (1) Babcock Wanson TPC 1000B BV Marine Thermal Fluid Heater, or equivalent, for installation on the CCGS Earl Grey at a later date in accordance with 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](#) (2021-12-02), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

6.4 Term of Contract

6.4.1 Period of the Contract

The period of the Contract is from date of Contract to October 31, 2022 inclusive.

6.4.2 Delivery Date

All the deliverables must be received no later than August 31, 2022.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Dave Dunne
Title: Supply Specialist, Marine
Public Works and Government Services Canada
Acquisitions Branch

Telephone: 902-401-4294
E-mail address: Dave.Dunne@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

(Named upon award of contract)

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Buyer ID - Id de l'acheteur
HAL311
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The Technical Authority for the Contract is:

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
E-mail address: _____

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

== BIDDER TO COMPLETE ==

Name: _____
Title: _____
Organization: _____
Address: _____

Telephone: _____
Facsimile: _____
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 as specified in Annex "B". 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 SACC Manual Clauses

SACC Manual Clause H1000C (2008-05-12), Single Payment

6.6.3 Electronic Payment of Invoices – Contract

(to be updated at Contract award)

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);

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.

Invoices must be distributed as follows:

The original invoice must be sent to the Contracting Authority by email to Dave.Dunne@pwgsc-tpsgc.gc.ca.

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 _____ .

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](#) (2018-06-21), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____ .

6.11 Insurance

SACC Manual clause [G1005C](#) (2016-01-28), Insurance

6.12 SACC Manual Clauses

SACC Manual clause B1501C (2018-06-21), Electrical Equipment
SACC Manual clause B7500C (2006-06-16), Excess Goods
SACC Manual clause D2000C (2007-11-30), Marking
SACC Manual clause D2001C (2007-11-30), Labelling
SACC Manual clause D2025C (2017-08-17), Wood Packaging Materials

6.13 Condition of Material

The Contractor must provide material that is new production of current manufacture supplied by the principal manufacturer or its accredited agent. The material must conform to the latest issue of the applicable drawing, specification and part number, as applicable, that was in effect on the bid closing date.

6.14 Dispute Resolution

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

ANNEX "A"

REQUIREMENT

CCGS Earl Grey **Thermal Boiler Procurement - Statement of Requirements**

1: SCOPE:

As part of the vessel life extension of the CCGS Earl Grey, the Canadian Coast Guard is planning to upgrade or replace various vessel components. It has been determined that one key item to be replaced is the existing Wanson Thermopac 1000B Thermal Boiler unit, which is original to the vessel and is integral to its operation.

The Intent of this specification is for the Contractor to supply one (1) new Babcock Wanson TPC 1000B BV Marine Thermal Fluid Heater, or a fully equivalent unit. This new thermal boiler unit will replace the ships existing Wanson Thermopac 1000B Thermal Boiler currently fitted on the vessel that has been in service for approximately 35 years. Fully certified equivalents will be considered if the contractor can clearly describe how the proposed units clearly meet all required equivalent technical criteria and requirements as further detailed in Sections 2.1, 2.2 and 2.3 of this specification. The Government of Canada equivalent products clause, as detailed in the RFP Contract document, may be referenced for further information regarding approved, equivalent products.

This new thermal boiler unit must be delivered to the CCG Dartmouth warehouse where it will be stored until future installation on the vessel during a scheduled maintenance period.

2: TECHNICAL DESCRIPTION:

2.1 GENERAL

The Contractor must supply:

One (1) Babcock Wanson TPC 1000B BV Marine Thermal Fluid Heater, or a fully certified equivalent unit for the CCGS Earl Grey. In order for a proposed unit to be considered an "equivalent" unit, they must meet the following technical requirements:

1. Must be a Marine designed, Vertical, TPC Fired Heater unit
2. Must be a single tube, hot oil heater designed unit with forced circulation where quantities of fuel and burning air are proportionally regulated according to the heat required
3. Power Supply must be 600V, 3pH, 60 Hz
4. Must have a fluid Content between 330L - 335L
5. Must have an outlet temperature between 275°C - 280°C and a design temperature between 395°C - 400°C
6. Must operate at a working pressure of 10 bar
7. Must be designed for continuous operation on diesel fuel and capable of operating on Naval Distillate diesel fuel CGSB-3.11-2017 Type 11/15 or commercial equivalent
8. Net max Power Supply of 1163 Kw
9. Maximum Noise emission of 85 dB(A)

2.2 SPECIFIC DESIGN REQUIREMENTS

1. The heating body must be composed of helically wound pipes and designed with a containing shell composed of a jacket and a combustion chamber separated by an anti-radiation screen. The body must be designed with internal refractory layers, high density mineral wool insulation and must be coated externally.

2. The boiler must have a dismountable top cover and designed with high thermal resistance made with a refractory inside and mineral wool insulation outside, identical to the body. The unit must also be designed with a lower inspection door at the bottom of the heater for maintenance and cleaning.
3. The unit must be delivered with a mounted and connected burning air centrifugal electro-blowing fan with electric motor and a diesel burner with one stage, two stage or modulating capabilities. The burner must be designed for combustion through mechanical atomizing and must come complete with extractable flame cone, combustion head with connection plate to boiler body, and mounted and connected fuel pump unit complete with valves and flexible connections.
4. The unit must complete with a mounted Command and Controlling Electrical Panel connected to all unit components with fire resistant cabling. These controls must come with an isolating switch and thermal protections for pumps/motors, have manual selectors/buttons for manual control as well as system alarm indicators for pumps/motors, burner and safety valve.
5. The unit must have High/Low regulation capabilities to regulate fuel capacities according to user demand.
6. The unit must be supplied with oil collector heaters for supply and return oil. The headers must be fitted with a differential pressure switch to avoid any problem due to the absence of oil circulation in the boiler.
7. The unit must be designed with external flanged piping connections for connections to oil, exhaust piping and drain.

2.3 SIZE & DIMENSIONS

The new thermal boiler unit must fit within the following dimensions:

1. Maximum Unit Length- 2,120 mm (front to back with fan, burner & controls mounted to the front of the unit)
2. Maximum Unit Width- 1,260 mm (Side to side)
3. Maximum Unit Height- 2,630 mm
4. Maximum Empty Weight of 2,150 Kg

3: REFERENCES:

3.1 NAMEPLATE DATA

Existing Unit – Wanson Thermopac 1000B Thermal Fluid Heater

New Unit - Babcock Wanson TPC 1000B BV Marine Thermal Fluid Boiler, or equivalent

3.2 ACTS, REGULATIONS, STANDARDS, RULES, CODES AND GUIDELINES

The new unit and all associated components and deliverables must comply with the following standards as applicable. The most recent versions must be used.

1. Canada Shipping Act
2. Vessel Construction and Equipment Regulations (VCER)
3. Marine Machinery Regulations (SOR/90-264)
4. Vessel Certificates Regulations (SOR/2007-31)
5. TCMSS Technical Publications
6. American Bureau of Shipping (ABS) Rules and Codes
7. IEEE 45 Electrical Standards
8. IEC Electrical Standards
9. CSA/ISO Standards
10. ASME Standards

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File No. - N° du dossier
HAL-1-87180

Buyer ID - Id de l'acheteur
HAL311
CCC No./N° CCC - FMS No./N° VME

4: PROOF OF PERFORMANCE:

4.1 INSPECTION

1. An overall condition assessment of the delivered unit will be carried out by CGTA within 3 working days of delivery.

5: DELIVERABLES:

5.1 REPORTS, DRAWINGS, AND MANUALS

1. A complete package including operation manuals, maintenance manuals, drawings and a complete parts and spares list must be delivered with the new unit. The supplier must provide (2) Hard Copies and one electronic copy in electronic PDF format in English with the delivery of the unit.
2. The new unit must be IACS Class Society Approved. A copy of the Class Certification must be provided with the delivery of the unit.

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ANNEX "B"

BASIS OF PAYMENT

NOTE: Annex B will form the Basis of Payment of the resulting contract and should not be filled in at the bid submission stage. Refer to Annex "E" Financial Evaluation Criteria.

The contractor will be paid in accordance with the following basis of payment for work performed and the deliverables received, pursuant to the contract.

Delivery Duty Paid (DDP) Incoterms 2010 firm lot price for the supply and delivery:

Item	Description	Quantity
1	For known work as stated in 6.2, specified in Annex "A": -One (1) new Babcock Wanson TPC 1000B BV Marine Thermal Fluid Heater, or a fully equivalent unit -Two (2) hard copies and one (1) electronic copy of operation manuals, maintenance manuals, drawings and a complete parts and spares list. -IACS Class Society Approval Certificate -Delivery Duty Paid (DDP) Incoterms 2010 firm lot price to O5C in Dartmouth, NS	1

Firm lot price (HST excluded): \$ _____ CAD

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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);

ANNEX "D"

TECHNICAL EVALUATION CRITERIA

Proposals which do not meet all of the Mandatory Technical Requirements at the bid closing will be considered to be non-compliant and will be given no further consideration. The evaluation will only be based on the information provided with the bid. References to Internet sites or information that is not included will not be evaluated.

The Bidder must provide equipment literature to prove that the equipment complies with each and every one of the Mandatory Technical Specifications specified in Annex "A", Requirement. Simply stating "yes" or "compliant" will not be sufficient for the purpose of this evaluation. Failure to meet the requirements of all of the Mandatory Technical Specifications will result in the bid being declared as non-compliant.

Proof can be provided in the form of equipment literature, brochure, engineering drawing, specification of the product or written narrative which clearly demonstrates how the proposed goods meet each and every one of the Mandatory Technical Specifications.

The Bidder must reference the page number and section of the submitted literature which proves their proposal complies with each and every one of the Mandatory Technical Specifications.

ITEM	MANDATORY TECHNICAL EVALUATION CRITERIA	REFERENCE TO BID PAGE #
M1	Must be a Marine designed, Vertical, TPC Fired Heater unit.	
M2	Must be a single tube, hot oil heater designed unit with forced circulation where quantities of fuel and burning air are proportionally regulated according to the heat required.	
M3	Power Supply must be 600V, 3pH, 60 Hz.	
M4	Must have a fluid Content between 330L - 335L.	
M5	Must have an outlet temperature between 275°C - 280°C and a design temperature between 395°C - 400°C.	
M6	Must operate at a working pressure of 10 bar.	
M7	Must be designed for continuous operation on diesel fuel and capable of operating on Naval Distillate diesel fuel CGSB-3.11-2017 Type 11/15 or commercial equivalent.	
M8	Must have Net max Power Supply of 1163 Kw.	
M9	Maximum Noise emission of 85 dB(A).	
M10	The heating body must be composed of helically wound pipes and designed with a containing shell composed of a jacket and a combustion chamber separated by an anti-radiation screen. The body must be designed with internal refractory layers, high density mineral wool insulation and must be coated externally.	

M11	The boiler must have a dismountable top cover and designed with high thermal resistance made with a refractory inside and mineral wool insulation outside, identical to the body. The unit must also be designed with a lower inspection door at the bottom of the heater for maintenance and cleaning.	
M12	The unit must be delivered with a mounted and connected burning air centrifugal electro-blowing fan with electric motor and a diesel burner with one stage, two stage or modulating capabilities. The burner must be designed for combustion through mechanical atomizing and must come complete with extractible flame cone, combustion head with connection plate to boiler body, and mounted and connected fuel pump unit complete with valves and flexible connections.	
M13	The unit must complete with a mounted Command and Controlling Electrical Panel connected to all unit components with fire resistant cabling. These controls must come with an isolating switch and thermal protections for pumps/motors, have manual selectors/buttons for manual control as well as system alarm indicators for pumps/motors, burner and safety valve.	
M14	The unit must have High/Low regulation capabilities to regulate fuel capacities according to user demand.	
M15	The unit must be supplied with oil collector heaters for supply and return oil. The headers must be fitted with a differential pressure switch to avoid any problem due to the absence of oil circulation in the boiler.	
M16	The unit must be designed with external flanged piping connections for connections to oil, exhaust piping and drain.	
M17	The unit must fit within the physical size dimension limits detailed in Section 2.3 of the attached Thermal Boiler Specification.	

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ANNEX "E"

FINANCIAL EVALUATION

Evaluation of Price:

Known Work:

Item	Description
1	For known work as stated in 6.2, specified in Annex "A": -One (1) new Babcock Wanson TPC 1000B BV Marine Thermal Fluid Heater, or a fully equivalent unit -Two (2) hard copies and one (1) electronic copy of operation manuals, maintenance manuals, drawings and a complete parts and spares list. -IACS Class Society Approval Certificate -Delivery Duty Paid (DDP) Incoterms 2010 firm lot price to O5C in Dartmouth, NS
2	Firm Lot Price: \$ _____ CAD. HST excluded

