



**RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des
soumissions - TPSGC**

11 Laurier St. / 11, rue Laurier

Place du Portage , Phase III

Core 0B2 / Noyau 0B2

Gatineau

Québec

K1A 0S5

Bid Fax: (819) 997-9776

**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 Two New Air Compressors	
Solicitation No. - N° de l'invitation F2599-175150/B	Date 2018-03-19
Client Reference No. - N° de référence du client F2599-175150	
GETS Reference No. - N° de référence de SEAG PW-\$\$ML-005-26762	
File No. - N° de dossier 005ml.F2599-175150	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2018-04-05	Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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: Burns, Robert	Buyer Id - Id de l'acheteur 005ml
Telephone No. - N° de téléphone (819) 420-2908 ()	FAX No. - N° de FAX (819) 956-0897
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: Specified Herein Précisé dans les présentes	

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

Marine Machinery and Services / Machineries et services
maritimes

11 Laurier St. / 11, rue Laurier

6C2, Place du Portage

Gatineau

Québec

K1A 0S5

Delivery Required - Livraison exigée See Herein	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



Destination Code - Code destinataire	Destination Address - Adresse de la destination	Invoice Code - Code bur.-comptable	Invoice Address - Adresse de facturation
D - 1	CCGS Caribou Isle Canadian Coast Guard 370 Dalhousie Street Amherstburg, ON N9V 1X3	F2599	DEPARTMENT OF FISHERIES AND OCEANS MARINE ENGINEERING 520 EXMOUTH ST ATT: Helen Evans SARNIA Ontario N7T8B1 Canada



Item Article	Description	Dest. Code Dest.	Inv. Code Fact.	Qty Qté	U. of I. U. de D.	Unit Price/Prix unitaire FOB/FAM	Destination	Plant/Usine	Del. Offered Liv. offerte	Delivery Req. Livraison Req.	See Herein
1	Two Air Compressors	D - 1	F2599	1	It	\$	XXXXXXXXXXXX	XXXXXXXXXXXX			

TABLE OF CONTENTS

PART 1 - GENERAL INFORMATION	2
1.1 STATEMENT OF REQUIREMENT	2
1.2 DEBRIEFINGS	2
1.3 TRADE AGREEMENTS	2
PART 2 - BIDDER INSTRUCTIONS	3
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS	3
2.2 SUBMISSION OF BIDS.....	3
2.3 ENQUIRIES - BID SOLICITATION.....	3
2.4 APPLICABLE LAWS.....	3
PART 3 - BID PREPARATION INSTRUCTIONS.....	5
3.1 BID PREPARATION INSTRUCTIONS	5
PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION	6
4.1 EVALUATION PROCEDURES.....	6
4.2 BASIS OF SELECTION.....	6
PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION	7
5.1 CERTIFICATIONS REQUIRED WITH THE BID.....	7
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION	7
PART 6 - RESULTING CONTRACT CLAUSES	8
6.1 SECURITY REQUIREMENTS	8
6.2 STATEMENT OF REQUIREMENT	8
6.3 STANDARD CLAUSES AND CONDITIONS.....	8
6.4 TERM OF CONTRACT	8
6.5 AUTHORITIES	8
6.6 PAYMENT	9
6.7 INVOICING INSTRUCTIONS	10
6.8 CERTIFICATIONS AND ADDITIONAL INFORMATION.....	10
6.9 APPLICABLE LAWS.....	10
6.10 PRIORITY OF DOCUMENTS	10
ANNEX "A"	11
STATEMENT OF REQUIREMENT	11
ANNEX "B"	18
BASIS OF PAYMENT	18

Solicitation No. - N° de l'invitation
F2599-175150/B
Client Ref. No. - N° de réf. du client
F2599-175150

Amd. No. - N° de la modif.
File No. - N° du dossier
005ml.F2599-175150

Buyer ID - Id de l'acheteur
005ml
CCC No./N° CCC - FMS No./N° VME

PART 1 - GENERAL INFORMATION

1.1 Statement of Requirement

The Canadian Coast Guard has a requirement for the purchase and commissioning of two air compressors and their associated control gear to replace the existing equipment on the CCGS Caribou Isle based in Amherstburg, Ontario.

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 World Trade Organization Agreement on Government Procurement (WTO-AGP), the North American Free Trade Agreement (NAFTA), the Canada-European Union Comprehensive Economic and Trade Agreement (CETA), and the Canadian Free Trade Agreement (CFTA)."

PART 2 - BIDDER INSTRUCTIONS

2.1 Standard Instructions, Clauses and Conditions

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (17-04-2017) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 3.a) of Section 01, Integrity Provisions - Bid of the Standard Instructions ([2003](#)) incorporated by reference above is deleted in its entirety and replaced with the following:

- a. at the time of submitting an arrangement under the Request for Supply Arrangements (RFSA), the Bidder has already provided a list of names, as requested under the [Ineligibility and Suspension Policy](#). During this procurement process, the Bidder must immediately inform Canada in writing of any changes affecting the list of names“.

2.1.1 SACC Manual Clauses

B1000T (2014-06-26) Condition of Material – Bid

2.2 Submission of Bids

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

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 Ontario.

Solicitation No. - N° de l'invitation
F2599-175150/B
Client Ref. No. - N° de réf. du client
F2599-175150

Amd. No. - N° de la modif.
File No. - N° du dossier
005ml.F2599-175150

Buyer ID - Id de l'acheteur
005ml
CCC No./N° CCC - FMS No./N° VME

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 Bid Preparation Instructions

Canada requests that bidders 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](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, bidders should:

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

Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work.

Section II: Financial Bid

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

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

Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.

4.1.1 Technical Evaluation

4.1.1.1 Mandatory Criteria

The Bidder must provide the name of the Classification Society that will provide the Type Approval Certificates according to the Class Rules and Regulations applicable to Air Compressors as per the SOR.

The Classification Society must be listed in Section 2 (1) of the Marine Machinery Regulations, Canada Shipping Act, 2001.

4.1.2 Financial Evaluation

1. The price of the bid will be evaluated as follows:
 - a. Canadian-based bidders must submit firm prices, Canadian customs duties and excise taxes included, and Applicable Taxes excluded.
 - b. foreign-based bidders must submit firm prices, Canadian customs duties, excise taxes and Applicable Taxes excluded. Canadian customs duties and excise taxes payable by Canada will be added, for evaluation purposes only, to the prices submitted by foreign-based bidders.
2. Unless the bid solicitation specifically requires bids to be submitted in Canadian currency, bids submitted in foreign currency will be converted to Canadian currency for evaluation purposes. The rate given by the Bank of Canada in effect on the bid solicitation closing date, or on another date specified in the bid solicitation, will be applied as a conversion factor to the bids submitted in foreign currency.
3. Although Canada reserves the right to award the Contract either on an FOB plant or FOB destination, Canada requests that bidders provide prices FOB their plant or shipping point and FOB destination. Bids will be assessed on an FOB destination basis.
4. For the purpose of the bid solicitation, bidders with an address in Canada are considered Canadian-based bidders and bidders with an address outside of Canada are considered foreign-based bidders.

4.2 Basis of Selection

A bid must comply with the requirements of the bid solicitation and meet the mandatory 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 procurement 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.

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 Requirement

The Statement of Requirement is detailed in Annex A Statement of 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](#) (2016-04-04), 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 August 31, 2018 inclusive.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Robert Burns
Title: Supply Team Leader
Public Works and Government Services Canada
Acquisitions Branch
Directorate: Marine Services
Address: 11 Laurier Street
Gatineau, Quebec, K1A 0S5

Telephone: 819 420-2908
Facsimile: 819 956-0897
E-mail address: Robert.burns@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

Solicitation No. - N° de l'invitation
F2599-175150/B
Client Ref. No. - N° de réf. du client
F2599-175150

Amd. No. - N° de la modif.
File No. - N° du dossier
005ml.F2599-175150

Buyer ID - Id de l'acheteur
005ml
CCC No./N° CCC - FMS No./N° VME

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 Project Authority

The Project Authority for the Contract is:

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

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

The Project 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 Project Authority, however the Project 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: _____
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 the contract for a cost of \$ _____. The Contractor is responsible for all administration, brokerage and customs fees and applicable taxes.

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 Single Payment

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

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

6.6.3 SACC Manual Clause

C2000C 2007-11-30 Taxes - Foreign-based Contractor

6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. The invoice 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
520 Exmouth Street
Sarnia, Ontario, N7T 8B1
Attention: Helen Evans
 - b. One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

6.8 Certifications and Additional Information

6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

6.9 Applicable Laws

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

6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions, 2010A (2016-04-04), General Conditions - Goods (Medium Complexity);
- (c) Annex A, Statement of Requirement;
- (d) Annex B, Basis of Payment;
- (e) the Contractor's bid dated _____

Solicitation No. - N° de l'invitation
F2599-175150/B
Client Ref. No. - N° de réf. du client
F2599-175150

Amd. No. - N° de la modif.
File No. - N° du dossier
005ml.F2599-175150

Buyer ID - Id de l'acheteur
005ml
CCC No./N° CCC - FMS No./N° VME

ANNEX A
STATEMENT OF REQUIREMENT

CCGS Caribou Isle Air Compressors Replacement

Specification No: Spec #850.17

Date: 2017-08-18

Revision No: ORIG

TABLE OF CONTENTS

- 1.0 LIST OF ACRONYMS**
- 2.0 VESSEL PARTICULARS**
- 3.0 EXISTING AIR COMPRESSORS**
- 4.0 TECHNICAL REQUIREMENTS FOR AIR COMPRESSORS**

1.0 LIST OF ACRONYMS

CCG	Canadian Coast Guard
CFM	Cubic Feet per Minute
DFO	Department of Fisheries and Oceans
FSR	Field Service Representative
FSSM	Fleet Safety & Security Manual (CCG)
PWGSC	Public Works and Government Services Canada
TA	Technical Authority – Owner’s Representative (CCG)
TCMS	Transport Canada Marine Safety
TI	Inspection Authority – Technical Inspector (CCG)

2.0 VESSEL PARTICULARS

Name:	CCGS Caribou Isle		
Type:	Type 800 Class		
Ice Class:	Inland Water Class II		
Year Built:	1985		
Principal Dimensions:	23.0	m	
Breadth, molded:	6.0	m	
Loaded Draft:	1.4	m	
Tonnage:	92.08 Tonnes (Lightship)		
Location:	Amherstburg Coast Guard Base 370 Dalhousie St. Amherstburg, Ontario N9V 1X3		

3.0 EXISTING AIR COMPRESSORS

Identification

The Canadian Coast Guard has a requirement for the purchase, delivery and commissioning of two air compressors and their associated control gear to replace the existing equipment on the CCGS Caribou Isle based in Amherstburg, Ontario.

References

Existing Equipment Data

Forward Compressor

Brand: Hamworthy
Type: 2SF34
Serial #: 41717-01
Capacity: 10m³/h
Pressure: 30 bar (435 psi)
Cooling medium: Air
Prime Mover: Etatech Industries N-BFHW1, 240V/3ph/60Hz 5HP@1740rpm

Aft Compressor

Brand: Hamworthy
Type: 2SF34
Serial #: 41717-03
Capacity: 10m³/h
Pressure: 30 bar (435 psi)
Cooling medium: Air
Prime Mover: Etatech Industries N-BFHW1, 240V/3ph/60Hz 5HP@1740rpm

Regulations

Canada Shipping Act 2001(2001, c.26)

TCMS; Marine Machinery Regulations (SOR/90-264)

Standards

TCMS; TP 127E Electric Standards (2008)

4.0 TECHNICAL REQUIREMENTS FOR AIR COMPRESSORS

4.1 Air Compressor Requirements

- 4.1.1 The Contractor must supply 2 identical air compressor assemblies rated for a continuous duty operation with a capacity of at least 5.8 cfm, at a working pressure of not less than 435 psi (30 bar).
- 4.1.2 The air compressor Assembly must include the control panel/cabinet. CCG will accept either of the following configurations:
- One (1) control panel/cabinet for a pair of compressors
 - One (1) control panel/cabinet for each individual compressor
- 4.1.3 All provided equipment must be compliant to the Classification Society Association, Marine Machinery Regulation and Transport Canada TP127.
- 4.1.4 All supplied equipment including sub-components shall be approved by a Classification Society recognized by Transport Canada.
- 4.1.5 The air compressor must be directly driven from the electric motor. The electric motor must operate from 230V to 240V ac, 3 phases, 60Hz and must have IP55 (TEFC) protection as a minimum.
- 4.1.6 The compressor and motor must use air as a cooling medium and must operate within an ambient temperature from 10°C to 50°C (50°F to 122°F).
- 4.1.7 Noise level generated by the operation of this equipment individually must not to exceed 87 dB at 3 feet.
- 4.1.8 Provision must be provided to allow for vibration and expansion at high pressure discharge and drainage connections of each compressor.
- 4.1.9 The supplied compressor must have provision for automatic demisting and condensate drainage.
- 4.1.10 The compressors must be provided with oil/water separators with automatic drainage for each stage of compression.
- 4.1.11 The compressors must be equipped with automatic relief valve for unloaded starting.
- 4.1.12 The compressors must be provided with non-return valves mounted on or near the compressor's high pressure discharge.

-
- 4.1.13 The compressors must be provided with pressure relief safeties for each stage of compression.
- 4.1.14 The compressors must be equipped with air pressure sensors for automatic Run/Stop. Each compressor must be able to start and stop automatically at the set points described in section 4.1.18 of this specification.
- 4.1.15 Each air compressor assembly must be mounted on vibration damping mounts and be fitted on a steel base. Each compressor assembly shall fit in the following maximum over all dimensions:
- Length: 44 inches (111.76 cm);
 - Width: 25 inches (54.61 cm);
 - Height: 35.5 inches (90.17 cm).
- 4.1.16 The installation of the water/oil filters and the control panel does not have to fit inside of the maximum dimensions above and can be supplied loose; however, it must be capable of being connected to the compressor base as a complete unit or capable of being bulkhead mounted.
- 4.1.17 The control panels must include, as a minimum, the following functions for each compressor:
- Emergency Stop;
 - ON/OFF Function;
 - Lead/Standby selector;
 - Hour Meter;
 - Set-point selection for cut-in and cut-out pressure for automatic operation;
- 4.1.18 The Lead/Standby mode selection is a function changing the Run/Stop set points, allowing the user to choose which compressor will be used as the lead, and which one will be starting only in case when the lead compressor cannot maintain the tank pressure due to excessive air consumption.
- In 'Lead' mode, the run set point must be 175 psi and the stop set point 200 psi.
 - In 'Standby' mode the run set point must be 155 psi and stop set point 180 psi.
- 4.1.19 All Run/Stop set points must be user adjustable independently for each compressor.
- 4.1.20 Compressor must be fitted with the following failure mode protections as a minimum:
- Low oil level shutdown;

- High air temperature shutdown.

4.2 Consumables

- 4.2.1 The Contractor must include the following consumables in accordance with manufacturer's specification;
- Lube oil for initial run-up and first oil change.
 - One replacement filter for each mounted air filter on the equipment (i.e. intake air filter).

4.3 Serviceability

- 4.3.1 The supplied equipment must be provided with written confirmation from the manufacturer of being supportable with spare parts for the next 15 years.

- 4.3.2 The equipment manufacturer must have spare parts available and distribution capabilities within North America.

4.4. Delivery and Commissioning

- 4.4.1 The compressors and associated parts are to be delivered to the Canadian Coast Guard base in Amherstburg, Ontario.
- 4.4.2 The Contractor must provide a Field Service Representative (FSR) to assist with the commissioning of the equipment. The Contractor shall include the costs for the FSR to be onboard for 2 days (16 hours total) as well as associated costs for travel and living expenses. For costing purposes, the address of section 4.4.1 shall be used for the FSR to attend the ship. The exact date of the commissioning will be determined at a later date.

4.5 Warranty

- 4.5.1 The provided equipment must carry a minimum 12 months of Warranty from the commissioning date. The date of the commissioning report provided by the FSR will serve as the starting date for the 12 month period.

4.6 Proof of performance

- 4.6.1 The Contractor must supply the TA with all records of factory tests performed.

4.7 Deliverables

4.7.1 Documentation (Reports/Drawings/Manuals)

- 4.7.2 The Contractor must provide the TA with proposed installation drawings, including detail of connections required and any components such as valves, flanges that are not part of the scope of supply.

- 4.7.3 The Contractor must provide the TA with drawings including dimensional drawings of the "As-fitted" equipment and location, electrical power and

control diagrams and piping diagrams. All drawings must be provided to the TA in three (3) hard copies (paper on letter format) and one (1) unprotected electronic copy in AutoCAD 2010 or later DWG format on USB memory stick.

- 4.7.4 The Contractor must provide a complete maintenance manual including a complete spare parts manual for the supplied equipment. Hard copy manual must be bound in standard three (3)-ring binders, type written on letter size paper. Electronic copies must be in unprotected Adobe PDF format and provide on a USB memory stick. The Contractor must provide three (3) hard copies and one (1) electronic copy of all manuals. Manuals must be submitted to the TA with the delivery of the equipment.
- 4.7.5 As part of the final delivery a commissioning report must be produce and submitted to the TA. The Commissioning report must include all the data inspected by the FSR during commissioning and include the date of the commissioning, all the data recorded by the FSR in order to approve the commissioning and the FSR signature. Hard copy of the report must be bound in standard 3-ring binders, type written on letter size paper.
- 4.8 Spares and special tools**
- 4.8.1 The Contractor must provide one (1) set of manufacturer's minor maintenance spares and major overhaul spares with each compressor.
- 4.8.2 The Contractor must provide one (1) set of manufacturer's special tools per unit.

Solicitation No. - N° de l'invitation
F2599-175150/B
Client Ref. No. - N° de réf. du client
F2599-175150

Amd. No. - N° de la modif.
File No. - N° du dossier
005ml.F2599-175150

Buyer ID - Id de l'acheteur
005ml
CCC No./N° CCC - FMS No./N° VME

ANNEX B

BASIS OF PAYMENT

Product	Quantity	Unit Price	Total Price
Air compressor assemblies.	2	\$	\$
4.2 Consumables: • Lube oil for initial run-up and first oil change. • One replacement filter for each mounted air filter on the equipment (i.e. intake air filter).	2	\$	\$
4.4.2 One FSR for the commissioning of the air compressor.	1	\$	\$
4.8.1 A set of manufacturer's minor maintenance spares and major overhaul spares for each compressor.	2	\$	\$
4.8.2 A set of manufacturer's special tools per unit.	2	\$	\$
Shipping Cost			\$

Grand total: \$

Bidders must identify a cost for each of the above items.