

**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Bid Receiving Public Works and Government  
Services Canada/Réception des soumissions**  
**Travaux publics et Services gouvernementaux**  
**Canada**  
**Cabot Place, Phase II**  
**Box 4600**  
**St. John's, NF**  
**A1C 5T2**  
**Bid Fax: (709) 772-4603**

**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**  
PWGSC / TPSGC - Nfld. Region  
Cabot Place, Phase II, 6th Floor  
Box 4600  
St. John's, NF  
A1C 5T2

<b>Title - Sujet</b> CCGS Louis S. St. Laurent Purifiers	
<b>Solicitation No. - N° de l'invitation</b> F6855-143799/A	<b>Date</b> 2015-03-06
<b>Client Reference No. - N° de référence du client</b> F6855-143799	<b>GETS Ref. No. - N° de réf. de SEAG</b> PW-\$OLZ-002-6281
<b>File No. - N° de dossier</b> OLZ-4-37210 (002)	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2015-03-24</b>	
<b>Time Zone</b> <b>Fuseau horaire</b> Newfoundland Daylight Saving Time NDT	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Dalton, Colleen	<b>Buyer Id - Id de l'acheteur</b> olz002
<b>Telephone No. - N° de téléphone</b> (709) 772-4931 ( )	<b>FAX No. - N° de FAX</b> (709) 772-4603
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF FISHERIES AND OCEANS C/O SUPPLY DEPOT SOUTHSIDE RD PO BOX 5667 ST JOHNS Newfoundland and Labrador A1C5X1 Canada	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

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

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**PART 1 - GENERAL INFORMATION****1. Security Requirement**

There is no security requirement applicable to this Contract.

**2. Requirement**

The Department of Fisheries and Oceans has a requirement to purchase four self cleaning fuel oil purifiers and five self cleaning lube oil purifiers with the option to purchase additional units within a 12 month period.

**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 of receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

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## **PART 2 - BIDDER INSTRUCTIONS**

### **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>) 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 (2014/09/25) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

"Subsections 04 and 05 of Section 01 Integrity Provisions - Bid of the Standard Instructions (2003) incorporated by reference above are deleted in their entirety and replaced with the following:

1. Bidders who are incorporated or who are a sole proprietorship, including those bidding as a joint venture, have already provided a list of names of all individuals who are directors of the Bidder, or the name of the owner, at the time of submitting an arrangement under the Request for Supply Arrangement (RFSA). These bidders must diligently inform Canada in writing of any changes affecting the list of directors during this procurement process as well as during the contract period.

2. Canada may, at any time, request that a bidder provide properly completed and Signed Consent Forms (Consent to a Criminal Record Verification form - PWGSC-TPSGC 229) for any or all individuals mentioned above within a specified time frame. Failure to provide such consent forms and associated information within the time frame provided, or failure to cooperate to the verification process, will result in the bid being declared non-responsive."

### **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.

### **3. Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Newfoundland and Labrador.

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**

### **1. Bid Preparation Instructions**

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

Section I: Technical Bid (one hard copy)

Section II: Financial Bid (one hard copy)

Section III: Certifications (one hard copy)

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

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

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

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process Policy on Green Procurement

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

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

Section I: Technical Bid

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

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.

## 1.2 SACC Manual Clauses

Section III: Certifications

Bidders must submit the certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **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.

#### **1.1 Technical Evaluation**

See Annex A to detailed requirement.

#### **1.2 Financial Evaluation**

SACC Manual Clause A0222T (2013-04-25), Evaluation of Price

### **2. Basis of Selection**

#### **2.1 Basis of Selection – Mandatory Technical Criteria**

A bid must comply with the requirements of the bid solicitation and meet all mandatory technical to be declared responsive. The lowest overall responsive bidder will be recommended for award of the contract.

## **PART 5 - CERTIFICATIONS**

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

The certifications provided by bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default in carrying out any of its obligations under the Contract, 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 may render the bid non-responsive or constitute a default under the Contract.

### **1. Certifications Required Precedent to Contract Award**

#### **1.1 Integrity Provisions - Associated Information**

By submitting a bid, the Bidder certifies that the Bidder and its Affiliates are in compliance with the provisions as stated in Section 01 Integrity Provisions - Bid of Standard Instructions 2004. The associated information required within the Integrity Provisions will assist Canada in confirming that the certifications are true.

#### **1.2 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 ([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from Employment and Social Development Canada (ESDC) - Labour's website.

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

### **2. Additional Certifications Required Precedent to Contract Award**

The certifications listed below should be completed and submitted with the bid, but may be submitted afterwards. If any of these required certifications 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 comply with the request of the Contracting Authority and to provide the certifications within the time frame provided will render the bid non-responsive.

## PART 6: RESULTING CONTRACT CLAUSES

### 1. Security Requirement

There is no security requirement applicable to this Contract.

### 2. Requirement

The Department of Fisheries and Oceans has a requirement to purchase four self cleaning fuel oil purifiers and five self cleaning lube oil purifiers with the option to purchase additional units within a 12 month period.

### 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>) issued by Public Works and Government Services Canada.

#### 3.1 General Conditions

2010A (2014-09/25), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 4. Term of Contract

#### 4.1 Delivery Date

All the deliverables are requested on or before September 30, 2015.

Can this be met \_\_\_\_\_ yes \_\_\_\_\_ no

Please provide the best available date: \_\_\_\_\_.

### 5. Authorities

#### 5.1 Contracting Authority

The Contracting Authority for the Contract is:

Colleen Dalton  
Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
10 Barter's Hill, The John Cabot Building, 7th Floor  
St. John's, NL A1C 5T2



Telephone: (709)772-4931

Facsimile: (709)772-4603

E-mail address: colleen.dalton@pwgsc.gc.ca

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

## 5.2 Project Authority

The Project Authority for the Contract is:

Phillip Bingley

Project Officer

Department of Fisheries and Oceans – Canadian Coast Guard

Telephone: (709)772-4146

E-mail address: colleen.dalton@dfo-mpo.gc.ca

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.

## 5.3 Contractor's Representative

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Telephone: \_\_\_\_\_

Facsimile: \_\_\_\_\_

E-mail: \_\_\_\_\_

## 6. Payment

### 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 unit price, as specified in Annex A for a cost of. \$ \_\_\_\_\_.

Customs duties are excluded and Applicable Taxes are extra.

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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.

## **6.2 Single Payment**

SACC Manual clause H1000C (2008-05-12) Single Payment

## **7. Invoicing Instructions**

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - a. The original and one (1) copy must be forwarded to the address shown on page 1 of the Contract for certification and payment.

## **8. Shipping Instructions – Delivery at Destination**

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

Fisheries and Oceans Canada  
Technical Stores  
280 Southside Road  
St. John's, NL  
A1C 5X1  
C/O CCGS Louis St. Laurent

## **9. Certifications**

### **9.1 Compliance**

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing associated information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the associated information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## **10. Applicable Laws**

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

## **11. Optional Goods and/or Services**

The Contractor grants to Canada the irrevocable option to acquire the goods, services or both described at Annex "B" of the Contract under the same conditions and at the prices and/or rates stated in the

Contract. The option may only be exercised by the Contracting Authority and will be evidenced, for administrative purposes only, through a contract amendment.

The Contracting Authority may exercise the option at any time before the expiry of the Contract by sending a written notice to the Contractor.

## **12. 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 standard instruction 2003 (2014/09/25)
- (c) the general conditions 2010A (2014-09/25), General Conditions – Goods (Medium Complexity);
- (d) Annex A, Requirement – Basis of Payment;
- (e) Annex B, Information for Integrity Provisions;
- (f) the Contractor's quote dated \_\_\_\_\_.

**ANNEX A****Mandatory Requirements**

<b>Mandatory Requirements</b>	<b>Contractor shall clearly demonstrate where in their proposal the mandatory requirement is documented to have been met.</b>
1.1 Contractor shall supply quantity four (4) Self-Cleaning Fuel Oil Purifier(s) rated for a certified flow rate in the range of 3,000 – 3,250 liters per hour of Marine Diesel Oil with a Kinematic Viscosity of 2.5 to 4.3 centistokes @ 40 deg C.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No  Page # in specification sheet: <input type="text"/>
1.2 Separator and separator feed pump must operate on 600VAC, 3 phase, 60hz. Feed pump to be driven directly from purifier or the feed pump must be mounted on common purifier base.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No  Page # in specification sheet: <input type="text"/>
1.3 Control power must be 115/230 VAC	Met <input type="checkbox"/> Yes <input type="checkbox"/> No  Page # in specification sheet: <input type="text"/>
1.4 Control panel and cabinet must be provided with alarm output to a remote operating system. It is to be marine PLC based for multi-language, interactive operation of the complete system including starter for separator and feed pump, ie EPC60 or equivalent. All operational faults shall be set and displayed for troubleshooting.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No  Page # in specification sheet: <input type="text"/>
1.5 The purifier supplied shall fit in the noted footprint. Longitudinal Dimension: 1450mm, Transverse Dimensions: 1350mm. Total height available is 2 meters high. Note: The control panel doesn't have to fit in this footprint and can be supplied loose. However, it shall be capable of being connected to the common purifier base as a complete unit or capable of being bulkhead mounted.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No  Page # in specification sheet: <input type="text"/>
1.6 Purifier must be fitted with Emergency Safety Shutdowns and capable of being shutdown remotely.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No  Page # in specification sheet: <input type="text"/>
1.7 Purifier at a minimum must be fitted with shutdowns for the following: -Vibration -Loss of suction -High Discharge Pressure	Met <input type="checkbox"/> Yes <input type="checkbox"/> No  Page # in specification sheet: <input type="text"/>

-Low Tank Level	
1.8 Assemblies and sub-components-i.e. valves, motors, gauges, hoses etc must be Classification Society approved for marine service.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No Page # in specification sheet: <input type="text"/>
1.9 Purifier supplier shall be able to provide authorized service support within 24 hours.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No Name: <input type="text"/> Telephone # : <input type="text"/>
1.10 One (1) set of manufacturer's special tools must be provided, c/w illustrated tool list and three (3) copies of illustrated operation and maintenance manuals. One (1) additional copy must be in the French language.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No Page # in specification sheet: <input type="text"/>
1.11 One (1) set of manufacturer's minor maintenance spares and major overhaul spares must be provided with each purifier c/w priced itemized list of overhaul spare kit parts list.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No Page # in specification sheet: <input type="text"/>
1.12 Contractor shall also provide unit price for additional purchase option of up to six (6) additional self-cleaning FOP units within a 12 month period from contract award meeting mandatory requirements noted in 1.1 through 1.11 with exception of 1.2. <b>NOTE: Voltage of additional supply option(s) shall be 440VAC, 3 phase, 60 Hz.</b>	Met <input type="checkbox"/> Yes <input type="checkbox"/> No Price to be included in the pricing data sheet.
2.1 Contractor shall supply quantity of five (5) self cleaning lube oil purifiers including electric heater rated for a certified flow rate in the range of 1,000-1,250 litres per hour of SAE type lubricating oil. Two of which shall be supplied with a sludge tank as per 2.2.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No Page # in specification sheet: <input type="text"/>
2.2 Separator and separator feed pump must operate on 460 VAC, 3 phase, 60hz. Feed pump to be driven directly from purifier or the feed pump must be mounted on common purifier base.	Met <input type="checkbox"/> Yes <input type="checkbox"/> No Page # in specification sheet: <input type="text"/>

<p>2.3 In some installation applications the self-cleaning lube oil purifiers will not be fitted directly above an existing sludge tank. Therefore, bidders shall provide a unit price for optional sludge tank unit to be provided with proposed self-cleaning lube oil purifier while maintaining dimensional footprint requirements as per 2.4. Sludge tanks must be constructed of stainless steel and fitted with a minimum of atmospheric vent, automatic discharge pump controlled by high/low level monitoring integrated into purifier controls and access cover for cleaning/inspection. The sludge tank shall be supplied as an integral part of the proposed purifier with all connections and controls supplied and assembled.</p>	<p>Met <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Page # in specification sheet: _____</p> <p>Price for the sludge tank to be included in the pricing data sheet.</p>
<p>2.4 Control panel and cabinet must be provided with alarm output to a remote operating system. It is to be marine PLC based for multi-language, interactive operation of the complete system including starter for separator and feed pump, ie EPC60 or equivalent. Electric heater shall be integral to control system. Temperature monitoring/alarms, flow and pressure monitoring/alarms and all operational faults shall be set and available for display.</p>	<p>Met <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Page # in specification sheet: _____</p>
<p>2.5 The purifier supplied shall fit in the footprint noted. Longitudinal Dimension: 1450mm, Transverse Dimensions: 1350mm. Total height available is 2 meters high. Note: The control panel and heater don't have to fit in this footprint and can be supplied loose. However, they shall be capable of being connected to the common purifier base as a complete unit or capable of being bulkhead mounted.</p>	<p>Met <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Page # in specification sheet: _____</p>
<p>2.6 Contractor shall also provide unit price for additional purchase option of up to two (2) additional self-cleaning LOP units within 12 month period from contract award meeting mandatory requirements noted in 2.1 through 2.5 with the exception of voltage requirements noted in 2.2. <b>NOTE: Voltage of additional supply option(s) shall be 600VAC, 3 phase, 60 Hz.</b></p>	<p>Met <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Page # in specification sheet: _____</p>
<p>2.7 Contractor to include with bid a detailed specification sheet of the unit proposed which</p>	<p>Met <input type="checkbox"/> Yes <input type="checkbox"/> No</p>

clearly outline all the mandatory requirements requested by Canadian Coast Guard.	
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## Annex B Requirement & Pricing

### Requirement

The Department of Fisheries and Oceans has a requirement to purchase four self cleaning fuel oil purifiers and five self cleaning lube oil purifiers with the option to purchase additional units within a 12 month period.

### Pricing

Self-Cleaning Fuel Oil Purifier	\$ _____ x 4
Option to purchase six (6) FO purifiers in next 12 months	\$ _____ x 6
Self-Cleaning Lube Oil Purifier (with sludge tank)	\$ _____ x 2
Self-Cleaning Lube Oil Purifier (without sludge tank)	\$ _____ x 3
Option to purchase two (2) LO purifiers in the next 12 months	\$ _____ x 2
Sludge Tank Unit	\$ _____ x 1
Freight to final destination	\$ _____

### Notes:

\* pring for the optional items are to be used for evaluation purposes only.

\* Freight charge is an estimate only and will be paid at actual laid down cost supported by an invoice with no mark-up.

\* All mandatory requirements must be met before any evaluation of price will occur.

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**ANNEX C****INFORMATION FOR INTEGRITY PROVISIONS****MUST BE COMPLETED BY OFFEROR WITH BID SUBMISSION**

Please provide 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;

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

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

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4. For an individual - the full name of the person;

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**Annex "D"****Statement of Requirements****Mandatory Requirements for Self-Cleaning Lube Oil Purifier(s) with Option for Additional Units**

- 2.1 Contractor shall supply quantity five (5) Self-Cleaning Lube Oil Purifier(s) including electric heater rated for a certified flow rate in the range of 1,000 –1,250 liters per hour of SAE 40 type lubricating oil. Two of which shall be supplied with a sludge tank as per 2.4.
- 2.2 Separator and separator feed pump must operate on 460 VAC, 3 phase, 60hz. Feed pump to be driven directly from purifier or the feed pump must be mounted on common purifier base.
- 2.3 Control power must be 115/230 VAC.
- 2.4 In some installation applications the self-cleaning lube oil purifiers will not be fitted directly above an existing sludge tank. Therefore, bidders shall provide a unit price for optional sludge tank unit to be provided with proposed self-cleaning lube oil purifier while maintaining dimensional footprint requirements as per 2.6. Sludge tanks must be constructed of stainless steel and fitted with a minimum of atmospheric vent, automatic discharge pump controlled by high/low level monitoring integrated into purifier controls and access cover for cleaning/inspection. The sludge tank shall be supplied as an integral part of the proposed purifier with all connections and controls supplied and assembled.
- 2.5 Control panel and cabinet must be provided with alarm output to a remote operating system. It is to be marine PLC based for multi-language, interactive operation of the complete system including starter for separator and feed pump, ie EPC60 or equivalent. Electric heater shall be integral to control system. Temperature monitoring/alarms, flow and pressure monitoring/alarms and all operational faults shall be set and available for display.
- 2.6 The purifier supplied shall fit in the footprint noted. Longitudinal Dimension: 1450mm, Transverse Dimensions: 1350mm. Total height available is 2 meters high. Note: The control panel and heater don't have to fit in this footprint and can be supplied loose. However, they shall be capable of being connected to the common purifier base as a complete unit or capable of being bulkhead mounted.
- 2.7 Purifier must be fitted with Emergency Safety Shutdowns and capable of being remotely shutdown.
- 2.8 Purifier at a minimum must be fitted with shutdowns for the following:
- Vibration
  - Loss of suction
  - High Discharge Pressure
  - Low Tank Level
- 2.9 Assemblies and sub-components-i.e. valves, motors, gauges, hoses etc must be Classification Society approved for marine service.
- 2.10 Purifier supplier shall be able to provide authorized service support within 24 hours.

- 2.11 One (1) set of manufacturer's special tools must be provided, c/w illustrated tool list and three (3) copies of illustrated operation and maintenance manuals. One (1) additional copy must be in the French language.
- 2.12 One (1) set of manufacturer's minor maintenance spares and major overhaul spares must be provided with each purifier c/w priced itemized list of overhaul spare kit parts list.
- 2.13 Three (3) copies of manufacturer's model specific illustrated parts manual plus an additional copy in the French language.
- 2.14 Delivery of the purifiers shall be by Sept 30, 2015 to Canadian Coast Guard Technical Stores, St. John's, NL.
- 2.15 Contractor shall also provide unit price for additional purchase option of up to two (2) additional self-cleaning LOP units within 12 month period from contract award meeting mandatory requirements noted in 2.1 through 2.13 with the exception of voltage requirements noted in 2.2.  
**NOTE: Voltage of additional supply option(s) shall be 600VAC, 3 phase, 60 Hz.**
- 2.16 Contractor shall complete 'Mandatory Requirements for Self-Cleaning Purifiers Proof of Compliance' document.