



RETURN BIDS TO:
RETOURNER LES SOUMISSIONS À:
**Bid Receiving Public Works and Government
Services Canada/Réception des soumissions
Travaux publics et Services gouvernementaux
Canada**
Pacific Region
401 - 1230 Government Street
Victoria, B.C.
V8W 3X4
Bid Fax: (250) 363-3344

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 Gordon Reid - Generator	
Solicitation No. - N° de l'invitation F1782-16C723/A	Date 2017-01-05
Client Reference No. - N° de référence du client F1782-16C723	
GETS Reference No. - N° de référence de SEAG PW-\$XLV-176-7164	
File No. - N° de dossier XLV-6-39063 (176)	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2017-02-16	Time Zone Fuseau horaire Pacific Standard Time PST
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input checked="" type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Godin, Andre	Buyer Id - Id de l'acheteur xlvl76
Telephone No. - N° de téléphone (250) 216-2504 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: FISHERIES AND OCEANS CANADA SEE HEREIN	

Instructions: See Herein

Instructions: Voir aux présentes

Vendor/Firm Name and Address

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

Issuing Office - Bureau de distribution

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

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

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Buyer ID - Id de l'acheteur
xl1v176
CCC No./N° CCC - FMS No./N° VME

PART 1 - GENERAL INFORMATION

1.1 Security Requirements

There is no security requirement associated with this bid solicitation.

1.2 Requirement

The Department of Fisheries and Oceans- Canadian Coast Guard as a requirement to supply and deliver Emergency Generator Set in accordance with Annex A- Statement of Requirements and delivered to Sidney, British Columbia on or before May 17, 2017.

1.3 Debriefings

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

1.4 Trade Agreements

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT), the World Trade Organization Agreement on Government Procurement (WTO-AGP) and the North American Free Trade Agreement (NAFTA).

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](#) (2016-04-04) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

2.2 Submission of Bids

Bids must be submitted only to 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 **British Columbia**.

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

PART 3 - BID PREPARATION INSTRUCTIONS

3.1 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) (<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

The technical bid should address clearly and in sufficient depth the points that are subject to the evaluation criteria against which the bid will be evaluated. Simply repeating the statement contained in the bid solicitation is not sufficient. In order to facilitate the evaluation of the bid, Canada requests that Bidders address and present topics in the order of the evaluation criteria under the same headings. To avoid duplication, Bidders may refer to different sections of their bids by identifying the specific paragraph and page number where the subject topic has already been addressed.

Section II: Financial Bid

Bidders must submit their financial bid in accordance with **Annex C- Financial evaluation sheet**. The total amount of Applicable Taxes must be shown separately.

Section III: Certifications

Bidders must submit the certifications required under Part 5,

3.1.1 Exchange Rate Fluctuation

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

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

3.1.2 Mandatory Tender Deliverable Check List

Notwithstanding deliverable requirements specified anywhere else within this bid solicitation and its associated Requirement (Annex A), mandatory deliverables that must be submitted with the Bidder's tender to be deemed responsive are describe below.

For details and to complete please refer to Annex D

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 specified below.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

4.1.1 Responses to this Bid solicitation will first be examined to determine their compliance with the mandatory certifications, and the tables of deliverable requirements as detailed in Parts 2 & 5.

4.1.2 The Bidder's Technical Bid will then be examined by the Technical Authority to determine compliance with Mandatory Technical Specification items.

- a. The Technical Bid must also include Annex E, Table 1, completed with verification that the bid meets each mandatory criteria listed and includes the required bid reference information.
- b. The technical bid will then be evaluated and points assigned in accordance with the point-rated evaluation criteria in Annex E.

4-1.3 Technical Evaluation

- (a) **Mandatory Technical Criteria**
Mandatory Technical Criteria are given in Table E-1.0 of Annex E.
- (b) **Point Rated Technical Criteria**
Technical Criteria subject to point rating are given in Table E-2.0 of Annex E.
- (c) Details of the technical evaluation and point rating procedure are given in Annex E, Evaluation Plan.

4.1.4 Financial Evaluation

The price of the bid will be evaluated in Canadian dollars in accordance with Annex B, Customs duties are included and the Goods and Services Tax or Harmonized Sales Tax is extra, if applicable.

4.2 Basis of Selection - Highest Compliant Combined Rating of Technical Merit and Price.

1. To be declared responsive, a bid must:
 - (a) comply with all the requirements of the bid solicitation;
 - (b) meet all mandatory technical evaluation criteria; and
 - (c) obtain the required minimum of **273 (70 percent)** overall of the points for the technical evaluation criteria which are subject to point rating. The rating is performed on a scale of **390 possible points**.
2. Bids not meeting (a) or (b) or (c) will be declared non-responsive.
3. The selection will be based on the highest responsive combined rating of technical merit and price. The ratio will be 70 % for the technical merit and 30 % for the price.
4. To establish the technical merit score, the overall technical score for each responsive bid will be determined as follows: total number of points obtained / maximum number of points available multiplied by the ratio of 70%
5. To establish the pricing score, each responsive bid will be prorated against the lowest evaluated price and the ratio of 30 %
6. For each responsive bid, the technical merit score and the pricing score will be added to determine its combined rating.

7. Neither the responsive bid obtaining the highest technical score nor the one with the lowest evaluated price will necessarily be accepted. The responsive bid with the highest combined rating of technical merit and price will be recommended for award of a contract.

4.3 Example of calculating points (70/30)

The table below illustrates an example where all three bids are responsive and the selection of the contractor is determined by a 70/30 ratio of technical merit and price, respectively. The total available points equals 135 and the lowest evaluated price is \$45,000 (45).

Basis of Selection - Highest Combined Rating Technical Merit (60%) and Price (40%)				
		Bidder 1	Bidder 2	Bidder 3
Overall Technical Score		115/135	89/135	92/135
Bid Evaluated Price		\$55,000.00	\$50,000.00	\$45,000.00
Calculations	Technical Merit Score	$115/135 \times 70 = 59.63$	$89/135 \times 70 = 46.15$	$92/135 \times 70 = 47.70$
	Pricing Score	$45/55 \times 30 = 24.54$	$45/50 \times 30 = 27.00$	$45/45 \times 30 = 30.00$
Combined Rating		84.17	73.15	77.70
Overall Rating		1st	3rd	2nd

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. 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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide with its bid the required documentation, as applicable, 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 *Ineligibility and Suspension Policy* (<http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html>), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

5.2.2 Federal Contractors Program for Employment Equity - Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "FCP Limited Eligibility to Bid" list available at the bottom of the page of the Employment and Social Development Canada (ESDC) - Labour's website (http://www.esdc.gc.ca/en/jobs/workplace/human_rights/employment_equity/federal_contractor_program.page?&_ga=1.229006812.1158694905.1413548969#afed).

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

PART 6 - RESULTING CONTRACT CLAUSES

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

6.1 Security Requirements

There is no security requirement applicable to this Contract.

6.2 Requirement

The Department of Fisheries and Oceans- Canadian Coast Guard as a requirement to supply and deliver Emergency Generator Set in accordance with Annex A - Statement of Requirements and delivered to Sidney, British Columbia on or before **May 17, 2017**.

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>) 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 Delivery Date

All the deliverables must be received on or before **May 17, 2017**

6.4.2 Delivery location (INCOTERM 2000 DDP)

Institute of Ocean Sciences- Pat Bay
9860 West Saanich Road
Sidney, British Columbia, Canada
V8L4B2
Attn: **Jordon Foerster, 250-363-8534**

The Contractor shall give the Departmental Representative at least two weeks' notice before the delivery of the modules to site.

6.4.3 Preparation for Delivery

Preparation for delivery and packaging are to be to the highest manufacturer's standard for the mode of transportation utilized, to ensure safe arrival at final destination.

6.4.4 Shipping Instructions – Delivered Duty Paid (DDP)

Goods must be consigned and delivered to the destination specified in the contract: Incoterms 2000 "DDP Delivered Duty Paid" to Edmonton, AB, Canada.

6.4.5 Failure to keep the Contracting Authority informed

As the delivery date is an essential part of this contract, except for excusable delays notified in accordance with Article 06 (Time of Essence) of 2010A, failure to communicate any changes to the delivery schedule specified in this contract will prejudice Canada and will, at Canada's discretion, entail either:

- a. Contract Termination in accordance with General Conditions 2010A Article 06 (Time of the Essence) and Article 23 subsection 4, (Default by the Contractor), and the Contractor will be liable to

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Canada for all losses and damages suffered by Canada because of the default or occurrence upon which the notice was based, including any increase in the cost incurred by Canada in procuring the Work from another source; or

b. Consideration for Contract Amendment. Delivery date(s) will not be extended without consideration being provided by the Contractor in the form of adjustment to the price, warranty, and/or services provided.

6.5 Authorities

6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Andre Godin
Title: Manager
Acquisitions, Marine
Public Works and Government Services Canada
Address: 1230 Government Street, Suite 401
Victoria, BC | Victoria, CB V8W 3X4 Canada
Telephone: 250-216-2504
Facsimile: 250-363-3960
Email: andre.godin3@pwgsc-tpsgc.gc.ca

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

6.5.2 Technical Authority

The Technical Authority will be identified in the Contract.

Name: Jordon Foerster
Title: Senior Vessel Maintenance Manager
Organization: Canadian Coast Guard
Address: 9860 West Saanich Road, Sidney, BC. V8L 4B2
Telephone: 250-363-8534
Facsimile: 250-363-6724
E-mail: Jordon.Foerster@dfo-mpo.gc.ca

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

6.5.3 Contractor's Representative

The bidder is to provide a list of representatives responsible for the completion of the work.

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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 firm unit prices, as specified in *Annex A* for a cost of \$ _____. Customs duties are *included* and Applicable Taxes are extra.

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

6.6.2 Single Payment

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

6.6.3 SACC Manual Clauses

C0100C	2010-01-11	Discretionary Audit – Commercial Goods and/or Services
C0711C	2008-05-12	Time Verification

6.7 Invoicing Instructions

The Contractor must submit invoices in accordance with the section of the General Conditions titled Invoice Submission.

Invoice is to be made out to:

Institute of Ocean Sciences- Pat Bay
9860 West Saanich Road
Sidney, British Columbia, Canada
V8L4B2
Attn: Jordon Foerster, 250-363-8534

Original invoice is to be sent for verification to:

Public Works and Government Services Canada
Acquisitions, Marine
401 - 1230 Government Street
Victoria, B.C., V8W 3X4 Attention: Andre Godin

6.8 Certifications

6.8.1 Compliance

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

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

The Contractor understands and agrees that, when an Agreement to Implement Employment Equity (AIEE) exists between the Contractor and Employment and Social Development Canada (ESDC)-Labour, the AIEE must remain valid during the entire period of the Contract. If the AIEE becomes invalid, the name of the Contractor will be added to the "[FCP Limited Eligibility to Bid](#)" list. The imposition of such a sanction by ESDC will constitute the Contractor in default as per the terms of the Contract.

6.9 Applicable Laws

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

For details and to complete please refer to Annex D

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6.10 Priority of Documents

If there is a discrepancy between the wordings 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, Requirement
- (d) Annex B, Basis of Payment
- (e) The Contractor's bid dated _____.

6.11 Insurance

The Contractor is responsible for deciding if insurance coverage is necessary to fulfill its obligation under the Contract and to ensure compliance with any applicable law. Any insurance acquired or maintained by the Contractor is at its own expense and for its own benefit and protection. It does not release the Contractor from or reduce its liability under the Contract.

6.12 Defence Contract

SACC Manual Clause A9006C Defence Contract 2012-07-16

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ANNEX A - STATEMENT OF REQUIREMENT

CCGS Gordon Reid
Statement of Requirements
For
Supply of one Emergency Generator

PO# F1782-16C723 .
Revised (2016-11-19) .

Delivery Date: 2017-05-17

Prepared by:
Marine Engineering Western Region
P.O. Box 6000
9860 W. Saanich Rd.
Victoria BC
V8L 4B2

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1. General Information

1.1 INTENT

The Intent of this statement of requirements is to purchase an emergency generator that is similar in capability to the currently fitted emergency generator. The Emergency Generator to be purchased is a 72 to 80 kWe, 600 Volt, 3 Phase diesel driven alternator that meets all the specified requirements.

1.2 REFERENCES

1.2.A Currently Fitted Equipment

A.1 Genset

Make: Simpower
Model: SP0100D3P6D14T
Serial Number: 8147

A.2 Engine

Make: Mitsubishi
Model: 6D14T
Serial Number: 591723

A.3 Ship's Electrical Distribution Drawing:

"G11-64-0-803-01-Simplified Electrical Single Line Diagram Sheet 1 of 1 Rev 3"

1.2.B Definitions

- i) "Genset" is defined as: diesel engine, control panel and alternator with connection box. Also referred to as "genset package", "generator set", "generator set package", "package", "equipment", "unit", "system".
- ii) "Field Service Representative" is defined as a Factory trained service technician for the specific make and model of equipment provided. The FSR should be able to provide copies of certification proving that they have been factory trained by the Original Equipment Manufacturer.
- iii) Prime Power – In accordance with ISO 8528 is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer.
- iv) "Prime Power Rating" – Is the generator rating which is capable of producing Prime Power (as defined above) at the rated value; and 110% power in accordance with ISO 3046.
- v) "Major Overhaul" would include but not limited to – Replacement of main bearings, pumps, power packs and overhaul of the top end

1.2.C Abbreviations

OEM – Original Equipment Manufacturer
FSR – Field Service Representative

1.3 CRITICAL CRITERIA

1.3.A Available Space

- A.1 The maximum dimensions available for the genset including its skid, resilient mounts and exhaust manifold are as follows:
- i) Height: 1.390 Meters (54-3/4")
 - ii) Length along shaft-line: 2.438 Meters (96")
 - iii) Width: 0.863 Meters (34")
 - iv)
- A.2 The maximum dimensions available for access to the space for installation:
- i) Height: 1.219 Meters (48")
 - ii) Width: 0.735 Meters (29")

1.3.B Operating and Maintenance Access

- B.1 The local control panel, fuel priming pump, filters, and dip-stick, must be mounted on the right side of the engine when viewed from the alternator end (looking towards the engine). The supplier must provide a picture or drawing clearly demonstrating the location of the listed items fitted as specified.

1.3.C Physical Operating Conditions for Equipment

- C.1 Machinery and/or equipment must have documentation showing it is designed for operation and remain operational between -20°C and +50°C inclusive.
- C.2 All machinery must be designed to operate when the ship is upright and when listing at any angle up to and including 15° either way under static conditions and 22.5° either way under rolling conditions and simultaneously inclined 7.5 by the bow or stern under pitching conditions. (Marine Machinery regulation - SOR/90-264 – Schedule - XVI - Section 4 - General Design Specifications Item 9).
- C.3 Control equipment must be designed for operation under these temperatures and humidity (*TP127E section 22.7*):
- i) 95% relative humidity at temperatures up to 45°C, and
 - ii) 70% relative humidity at all other relevant temperatures.

1.3.D International Standards and Regulations

The following Standards and Regulations apply to the proposed genset; The Supplier must ensure the genset meets these Standards and Regulations:

- D.1 Convention – the International Convention for the Prevention of Pollution from Ships 1973/1978 (MARPOL 73/78);
- D.2 Classification Society Rules and Regulations for the Classification of Ships;
- D.3 IEEE 45 (2002) Recommended Practice for Electric Installations on Shipboard;
- D.4 ISO 3046-1 (2002) Reciprocating internal combustion engines – Performance;
- D.5 ISO 8528-1 (2005): Reciprocating Internal Combustion Engine Driven Alternating Current Generating Sets, Part 1: Application, Ratings and Performance; and
- D.6 SOLAS Reg. II-2/15.2.10.

1.3.E Canadian Regulations and Standards

The Genset must meet the following Standards and Regulations as well as any other pertinent Federal/Territorial Regulation or Standard:

- E.1.1 Canada Shipping Act, 2001;
- E.1.2 Marine Machinery regulation- SOR/90-264 – Schedule- XVI - Section 4;
- E.1.3 Technical Publication: Ships Electrical Standards (2008) - TP 127 E; and
Vessel Pollution and Dangerous Chemicals Regulations (SOR/2012-69).

2. Statement of General Requirements

2.1 GENERATOR SET PACKAGE

2.1.A The supplier must provide a Genset package capable of the following:

- A.1 Prime Power Rating of 72 kWe to 80 kWe as defined in the definition section of this specification;
- A.2 Provide 600 volts, 3 phase, at 60 Hertz;
- A.3 Excitation must be able to provide up to 300% Full Load Current for 10 seconds on sustained short circuit; and
- A.4 Withstand 110% rated kWe overload for 1 hour in accordance with the standards identified in the Prime Power Rating definition.

2.1.B The generator set must be in current use on a minimum of five commercial vessels of 15 GRT or more; installed on or after September 1, 2011. The supplier must provide documentation, which clearly indicates the 5 vessels the proposed package has been installed on, and the date of installation. Voltages between 208 volts and 600 volts (inclusive), 3 phase will be accepted.

2.2 SUPPLIER

2.2.A Original Equipment Manufacturer

- A.1 The Supplier must be an official distributor for the Original Equipment Manufacturer. To be considered an OEM, the Supplier must be able to supply OEM parts, OEM manuals, and provide the services of a FSR as defined in 1.2.B.

2.2.B Parts and Service Delivery Requirements

B.1 The Supplier must be capable of providing parts within 72 hours of the order to the following addresses:

- a) Institute of Ocean Sciences
9860 West Saanich Road
Sidney BC, V8L 4B2
- b) Port Hardy Coast Guard Station
8540 Shipley Street

Port Hardy, B.C. V0N 2P0
c) Prince Rupert Seal Cove base:
Seal Cove CG Base, #1 Coast Guard Drive
Prince Rupert, BC V8J 3R1

2.3 GENSET PACKAGE REQUIREMENTS

2.3.A The Genset as defined in 1.2.B must be engineered and supplied as a factory-built unit.

2.3.B The Genset package must be mounted on a painted steel frame skid with alternator and engine secured to a common base. The Frame must be of sufficient construction to secure engine, alternator and controls; and withstand the physical conditions as defined in section 1.3 of the Critical Criteria Section.

2.3.C The Skid must be fitted with oil resistant vibration resilient mounts for mounting the Skid to the Vessel. Resilient mounts must have a captive feature that must restrain the equipment in the event of resilient mount failure. Resilient mounts must be included in overall installation dimensions.

2.3.D The Genset must be either type approved by one of the listed Transport Canada Recognized Organizations; or must be approved individually as a unit by one of the listed Transport Canada Recognized Organizations.

2.3.E The following is the list of the current Transport Canada Recognized Organizations:

- a) American Bureau of Shipping (ABS)
- b) Bureau Veritas
- c) Germanischer Lloyd
- d) Det Norske Veritas
- e) Lloyd's Register (LR)

2.3.F The Genset package must be supplied with all mechanical specialty tools, electronic diagnostic interface peripherals, and cables required for routine maintenance, major overhaul, and troubleshooting.

2.3.G The Genset package must be supplied with any and all diagnostic software and licences required for routine maintenance, major overhaul, and troubleshooting.

2.4 INSTALLATION REQUIREMENTS

2.4.A The Genset must be capable of being operated (start/stop) from multiple remote locations and from the local panel. The Supplier must clearly show what fitted features allow for remote and local operations as specified.

2.4.B The Genset package must not exceed the specified allowable dimensions as stated in paragraph 1.3.A of the Critical Criteria Section of this specification.. Measurement must include engine, alternator, skid, resilient mounts, control panel, and up to and including the exhaust manifold.

The supplier must provide documentation which details, based on the maximum installation access, the requirements for installing the proposed Genset.

The supplier must indicate if OEM FSR presence is required to witness disassembly and reassembly in order to maintain warranty. The Supplier must provide a detailed list of what items must be removed and reinstalled to achieve installation within the stated installation access dimensions.

3. Generator Diesel Engine Requirements

3.1 ENGINE GENERAL REQUIREMENTS

3.1.A The diesel engine must be a complete package with all components necessary for proper operation fitted to the engine. The cooling expansion tank may be fitted external to the engine where piping/hose to connect expansion tank to the engine will be outside of the delivery requirements.

3.1.B The diesel engine must be MARPOL 73/78 compliant; however preference will be given to diesel engines with a Tier II or higher rating.

3.1.C The diesel engine must be air started. Air start must require 9.56 Bar or less. The components required to adapt the package to the ship's air system will not be part of this procurement. The Air Starter must be supplied and mounted to the engine on delivery.

3.1.D The diesel engine must be fitted with engine driven fuel pump(s), lube oil pump(s), and cooling water pump(s). In addition to being engine driven, the lube oil pump must be gear driven.

3.1.E The diesel engine must be fitted with an expandable, flexible exhaust bellows. The exhaust piping required to adapt the package to the ship's exhaust system will not be part of this procurement.

3.1.F The Supplier must provide documentation which details the exhaust piping requirements such as piping diameter and maximum back pressure allowed within four weeks of contract award.

F.1 Exhaust piping requirements must be based on the following:

- a) Exhaust piping run of 5 meters.
- b) Exhaust piping fitted with 3 x 90 degree bends.
- c) Hospital grade (-30dB (A)) silencer.

3.1.G The diesel engine must be fitted with all fuel system components required for operation. Connection from the inlet of the first system component to the ship's fuel supply system will not be part of this procurement.

3.2 FUEL SYSTEM REQUIREMENTS

3.2.A The diesel engine must be capable of operation on Naval distillate fuel (-6°C pour) CGSB-3.11-2010, type 11.

3.2.B The diesel engine must be fitted with sufficient fuel filtration to meet engine manufacturer's requirements. Part of the filtration must include filtration of water out of the fuel.

3.2.C The fuel filters fitted must be duplex spin-on disposable cartridge type full flow fuel filters, with the ability to operate on one filter, and change over filters while engine is in operation. Spin-on disposable cartridge type full flow filters must be demonstrated during the engine trials.

3.2.D During engine testing prior to delivery, the Supplier must demonstrate filter change over while engine is running.

3.2.E The diesel engine must be fitted with a manual fuel priming pump as a means to aid in priming the fuel system after filter changes.

3.2.F The fuel system must be in accordance with SOLAS Regulation 15.2.9 which requires that all high pressure lines, lines between pumps producing injection pressure and the injectors, be fitted with double walled piping.

3.2.G All fuel hoses must be marine grade petroleum hose or better (SAE J1527 Type A Class I, USCG SAE J1942 / ISO 7840). The supplier must afford the TA the opportunity to verify any hoses fitted meet the requirements at time of testing.

3.3 LUBRICATING OIL SYSTEM REQUIREMENTS

3.3.A The engine must be equipped with duplex spin-on disposable cartridge type full flow lubrication oil filters. The filters must be designed such that the engine can operate on one filter, and that change over from one filter to the other can be done while operating. Spin-on disposable cartridge type full flow filters must be demonstrated during the engine trials.

3.3.B The supplier must demonstrate filter change over function during engine testing.

3.3.C A relief valve must be provided external to the filter casing. The relief valve must bypass oil around the filter if the filter becomes clogged and provide notification of the same.

3.3.D The engine must be capable of utilizing lubricating oil supplied by any major bulk oil suppliers.

3.3.E The engine must be fitted with oil sample ports easily accessed by hand.

3.3.F The engine must be fitted with a dipstick or bayonet gauge which allows gauging of the lubricating oil level while the engine is in operation under load. Its function will be verified at the testing.

3.3.G The diesel engine must be fitted with a means to fill the engine with oil to its recommended operational level while the engine is running and under load. Its function will be verified at the testing.

3.3.H All oil hoses must be marine grade petroleum hose or better (SAE J1527 Type A Class I, USCG SAE J1942 / ISO 7840). The supplier must afford the TA the opportunity to verify the hoses fitted at the time of the specified trials, prior to delivery.

3.3.I The diesel engine's oil pan must be fitted with a drain for draining oil during oil changes; the drain must be accessible and removable by hand. Its location will be verified at the testing.

3.3.J The Supplier must provide the total capacity for lube oil for the proposed engine within 4 weeks of Contract award.

3.4 COOLING SYSTEM REQUIREMENTS

- 3.4.A** The diesel engine must have a pre-start heater that maintains engine at manufacturer's recommended temperature for emergency back-up operations.
- 3.4.B** The diesel engine must be air cooled by an engine mounted radiator system and engine driven fan.
- 3.4.C** The engine must be supplied with a cooling water expansion tank suitable for the engine capacity. This tank may be supplied loose; if engine mounted it must be included in the overall installed dimensions.
- 3.4.D** The Supplier must provide the total capacity data for cooling water within 4 weeks of contract award.
- 3.4.E** The Supplier must provide a list of manufacturer approved cooling water treatment systems with the bid package.

3.5 AIR INTAKE AND EXHAUST SYSTEM REQUIREMENTS

- 3.5.A** The diesel engine must be fitted with a system to dissipate, through the engine intake, all engine generated oil fumes.
- 3.5.B** All external parts of the engine operating above jacket water or lubricating oil temperature, that are part of the supplied Genset package, must be shielded and/or insulated in accordance with SOLAS Reg. II-2/15.2.10. Seams or joints in insulation must be located so as not to trap oil or water from leaks or spills. Insulation and protection based on sections above will be inspected during the engine trials prior to delivery by the TA
- 3.5.C** Surface temperature readings must be taken on all surfaces and recorded at steady state full load. Surfaces found not to meet SOLAS Reg. II-2/15.2.10, must be protected or insulated prior to delivery. If insulation is removed to facilitate trials, the supplier must demonstrate that the installed fitting of insulation that meets the requirement prior to delivery. All insulation beyond the exhaust bellows is considered outside the scope of this specification.
- 3.5.D** The diesel engine must be fitted with dry type air intake filters. This will be verified at the testing.
- 3.5.E** The Supplier must provide the exhaust stack temperature pyrometer at time of delivery.
- 3.5.F** The Supplier must provide details of the pyrometer within 4 weeks of contract award including suggested installation location, connection type and size.

4. Alternator Requirements

4.1 ALTERNATOR FEATURES AND REQUIREMENTS

4.1.A The rotor and stator windings must be fitted with Class H insulation. Insulation must be 100% solids void free.

4.1.B The alternator must be self-ventilated and have a minimum drip proof rating of IP 23. This will be verified at the testing.

4.1.C The alternator must be 600 Volt, 3-phase, and have a Prime Power rating between 72 to 80 kW with all attachments and fittings. This will be verified at the testing.

4.1.D Alternator must be brushless and self-exciting.

4.1.E The Alternator must be 3 phase, 4 wire, and wye type connection. Windings must be 2/3 pitch, broad voltage band.

4.1.F The alternator must be fitted with a solid state voltage regulator with integral voltage adjustment, plus remote adjustment capability in accordance with the Remote Control and Monitoring section of this specification. This will be verified at the testing.

4.1.G The proposed alternator must be tested in accordance with TP127e section 28. Allowance for testing in accordance with a RO's rules will be accepted. Testing of the system and copies of test results must be supplied upon engine trial completion.

4.1.H The proposed alternator must be rated for continuous operation between 0.8 and 0.85 lagging power factor, Lagging operation will be verified at the test.

4.1.I The alternator must be fitted with an Anti-Condensate Heater in the windings of the alternator. The function of the heater will be verified at the test. The Supplier must provide documentation that details the power requirements and installation of the fitted anti-condensate heater as part of the Instruction Manual.

4.1.J The alternator must be fitted with filter material to prevent ingress of dust and debris into the alternator. All filtration must be accounted for in the calculation of the rated load of the unit. The presence of filtration will be verified at the test.

4.1.K The Alternator must meet the following requirements:

- i) 0% to 3% waveform deviation from line to line at no-load;
- ii) Steady State Automatic Voltage Regulation of less than plus or minus 2.5% of rated voltage for all loads between zero and rated load at rated power factor; and Voltage balance, with balanced loads, within 1% variance between phases.

5. Control and Monitoring

5.1 LOCAL CONTROL AND MONITORING

5.1.A The Genset must have fitted a local control/monitoring system that provides the following features. Any components that are intended to be provided, but are not pre-installed as part of the delivered package must be clearly identified. These will be verified at the test..

- i) Emergency Stop button;
- ii) Local/Remote Switch;
- iii) Start and Stop buttons;
- iv) Hour meter;
- v) Tachometer;
- vi) Lubricating oil Pressure Gauge;
- vii) Fuel Pressure Gauge;
- viii) Jacket Water Pressure Gauge;
- ix) Jacket Water Temperature Gauge;
- x) Lubricating Oil Temperature Gauge;
- xi) Alternator Bearing Temperature;
- xii) Exhaust Stack Temperature;
- xiii) High Pressure Fuel double wall leak off alarm; as applicable;
- xiv) Low Lubricating Oil Pressure shutdown indication;
- xv) High Jacket Water Temperature shutdown indication;
- xvi) Over-speed shutdown indication; and
- xvii) Over-Crank indication.

5.1.B The local monitoring panel must meet IP 23 enclosure protection rating or higher. This will be verified at the testing.

5.2 REMOTE CONTROL AND MONITORING

5.2.A For the purpose of synchronization, load sharing, and control, the proposed Genset must be fitted with equipment that allow for it to be controlled by an external load-share module fitted at the switchgear.

5.2.B The generator set must be fitted with control and monitoring systems that allow for the following remote functions.

- B.1 Remote start/stop commands; for example, in the event of blackout unit must be able to receive a remote start command for generator start up;
- B.2 Remote speed control from synchronization/load share module as detailed above;
- B.3 Voltage control from synchronization/load share module;
- B.4 Emergency stop terminal interface for remote emergency stop operation - Supplier must provide documentation that indicates whether the remote Emergency stop operates based on a normally open or closed contact; and
- B.5 Discreet output for alarm state.

5.2.C The proposed system must include a data link or outputs that allows remote monitoring of the parameters below and clearly indicate what form of communication is required

- a) Engine RPM;
- b) Engine LO Pressure;
- c) Engine LO Temp;
- d) Engine JW Pressure;
- e) Engine JW Temp;
- f) Alternator Bearing Temperature;
- g) Exhaust Stack Temperature;

- h) LO Sump Low Level; and
- i) Failure to Start.

5.2.D The TA will verify all functions during commissioning.

6. Genset Testing Requirements

6.1.A Genset testing must be done at an OEM facility.

6.1.B Prior to delivery, the Supplier must test the Genset in accordance with TP 127E section 28, Classification and Regulatory requirements, and in accordance with these specifications.

6.1.C Transport Canada Marine, Classification Society, and the TA must all be afforded, with a minimum of four weeks' notice, the opportunity to witness the specified generator testing at the OEM facilities. All equipment and materials required to complete the specified tests are the responsibility of the Supplier.

6.1.D Prior to conducting any running trials the Supplier must verify that all fitted gauges and measuring systems are calibrated. The Supplier must use secondary calibrated gauges for comparison. The TA must witness copies of certification for the secondary gauges used to test the fitted gauges.

6.1.E Prior to conducting any trials under load, the Supplier must verify the function and setting of all emergency shutdowns and alarms are in accordance with this specification and the manufacturer's recommended settings.

6.1.F The Supplier must conduct the following running trials. During the trials the supplier must record at 15 minute intervals all engine and electrical generator operating parameters.

- F.1 25% incremental loading at 0.8 power factor with 15 minute stabilization time - Readings must be taken before next step;
- F.2 100% rated load at 0.8 power factor for a period of 4 hours; and
- F.3 110% rated load at 0.8 power factor for a period of 1 hour.

6.1.G The Supplier must meet the requirements of TP127e section 28 for the testing of rotating machinery. Any deviation from TP127e section 28 must be approved by TCM or be replaced by Classification Society approved test procedures. The Supplier must provide specific test alternatives as part of the bid package.

6.1.H TP127e Section 28 tests are as follows:

- i) temperature-rise test;
- ii) insulation resistance test;
- iii) high potential test;
- iv) overload test; and
- v) commutation test, if applicable.

6.1.I In addition to the tests listed above, the supplier must also conduct the following tests and provide the results to the TA:

- i) Resistance on each winding prior to running.

- ii) Open-Circuit saturation curve
- iii) Voltage balance on windings
- iv) Current balance on windings
- v) Mechanical balance (Vibration)
- vi) Regulator range (voltage adjust) test.

6.1.J During the running trials, the Supplier must also demonstrate the Genset's capability of running on single filter elements, and show the ability to change over filters while engine is running.

6.1.K The following items must be delivered to the TA and attending inspectors on completion of trials:

- a) A detailed printed report of all findings, defects, and test readings;
- b) Recorded Readings taken at 15 minute intervals - Clearly labelled for time and the type of test readings were taken;
- c) The results of gauge accuracy including copies of gauge calibration certificates; and
- d) Alarm and shutdown test results and corresponding set points.

6.1.L In addition to the paper copies delivered onsite, the Supplier must provide digital copies of all documents in a text searchable PDF format to the TA.

6.1.M Prior to delivery the supplier must conduct torsional vibration analysis on the Genset being delivered. The report must be delivered to the TA at time of delivery.

6.2 DELIVERABLES

6.2.A Two hard copies and 1 digital copy of the following manuals must be provided within four weeks of Contract award:

- a) Installation Manual;
- b) Operation Manual;
- c) Maintenance Manual;
- d) Engine Specification Data in a single document that includes the following:
 - i) Diesel engine maximum continuous rating;
 - ii) Diesel engine RPM;
 - iii) Engine specific fuel consumption at full load;
 - iv) Engine exhaust gas temperature at full load;
 - v) Engine bore and stroke;
 - vi) Number of engine cylinders;
 - vii) Heat dissipated in jacket water cooler;
 - viii) Full load Jacket water cooler, engine inlet, and engine outlet jacket water temperatures;
 - ix) Specific lube oil consumption;
 - x) Combustion air requirements at full load;
 - xi) Weight of complete Genset;
 - xii) Original and two copies of Class approval certificates;
 - xiii) Factory acceptance and commissioning test checklist; and
 - xiv) A complete list of alarm points and shut-down settings.

6.2.B The Supplier must provide a list of parts with current retail price, lead-time, and part numbers for the following within four weeks of Contract award.

- a) Recommended consumable spares for 2 years of service based on 500 running hours per year.
- b) Recommended spares for 5 year life cycle maintenance, including major overhaul, based on 500 running hours per year.

6.2.C The supplier must provide one hard copy and one digital copy of the following drawings and schematics. Hard Copies are to be no smaller than standard 11x17 inches, Digital copies must be in either AutoCAD 2010 or PDF file format and delivered to the TA within four weeks of Contract award:

- a) General Arrangement – Outlining the dimensions and general part numbers;
- b) Engine Electrical diagram;
- c) Alternator main electrical schematic; and,
- D) Schematic diagram of OEM electronic alarm and monitoring connections.

6.3 SPARES

6.3.A The following spares must be provided at time of delivery. Price must be included with the bid:

- a) One spare jacket water pump;
- b) One spare fuel injection unit;
- c) As applicable, one spare high pressure pump;
- d) As applicable, one spare fuel lift (transfer) pump;
- e) One spare jacket water heater;
- f) As applicable, one spare turbocharger complete with housing;
- g) One spare air start motor;
- h) As applicable, one complete set of high pressure fuel piping complete with fittings;
- i) Six of each type of fitted fuel filter;
- j) Six of each type of fitted oil filter;
- k) Six Air Filter elements;
- l) As applicable, six filter elements for crankcase breather system.
- m) Filter element material for generator ventilation allowing for six filter changes.
- n) One spare pressure sensor for each type of sensor; and
- O) One spare temperature sensor for each type of sensor.

6.4 WARRANTY

6.4.A The Supplier must provide a minimum of one year warranty from the date the generator is put into service.

6.4.B Warranty must not be affected by the installation of the Genset, and is to be clearly indicated as part of the bid package in accordance with these specifications.

ANNEX B - BASIS OF PAYMENT

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

B1. Contract Price

ITEM	DESCRIPTION	PRICE
A	Supply a Generator set as define in the Statement of Requirement, Annex A excluding Items B to H (inclusive) below. for a FIRM PRICE of (\$CAD):	\$
B	Supply all tools defined in the Statement of Requirement Annex A ,Article (entire article) 2.3 F for a FIRM PRICE of (\$CAD):	\$
C	Supply all diagnostic software and licenses as defined in the Statement of Requirement Annex A, Article (entire article) 2.3 G. for a FIRM PRICE of (\$CAD):	\$
D	Supply the documentation deliverables as defined in in the Statement of Requirement Annex A , Article (entire article) 6.2A for a FIRM PRICE of (\$CAD):	\$
E	Supply the list of parts, etc. as defined in Statement of Requirement, Annex A, Article (entire article) 6.2B for a FIRM PRICE of (\$CAD):	\$
F	Supply the drawings and schematics etc., as defined in Statement of Requirement, Annex A, article (entire article) 6.2C for a FIRM PRICE of (\$CAD):	\$
G	Supply the spare parts as defined in Statement of Requirement, Annex A, article (entire article) 6.3 and 6.3A for a FIRM PRICE of (\$CAD):	\$
H	Preparation and Delivery – Incoterms 2000 "DDP Delivered Duty Paid" to Sidney, British Columbia, Canada. for a FIRM PRICE of (\$CAD):	\$
I	Total Price for Evaluation Applicable Taxes Excluded [A+B+C+D+E+F+G+H]: for a FIRM PRICE of (\$CAD):	\$
DELIVERY OFFERED FROM RECEIPT OF ORDER on or before May 17, 2017.		

ANNEX C – FINANCIAL EVALUATION SHEET

Bidder's Instructions

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

C.1 Pricing Schedule

ITEM	DESCRIPTION	PRICE
A	Price for: Supply a Generator set as define in the Statement of Requirement, Annex A excluding Items B to J (inclusive) below. for a FIRM PRICE of (\$CAD):	\$
B	Price for: To supply all tools defined in the Statement of Requirement Annex A ,Article (entire article) 2.3 F for a FIRM PRICE of (\$CAD):	\$
C	Supply all diagnostic software and licenses as defined in the Statement of Requirement Annex A, Article (entire article) 2.3 G. for a FIRM PRICE of (\$CAD):	\$
D	Supply the documentation deliverables as defined in in the Statement of Requirement Annex A , Article (entire article) 6.2A for a FIRM PRICE of (\$CAD):	\$
E	Supply the list of parts, etc. as defined in Statement of Requirement, Annex A, Article (entire article) 6.2B for a FIRM PRICE of (\$CAD):	\$
G	Supply the drawings and schematics etc., as defined in Statement of Requirement, Annex A, article (entire article) 6.2C for a FIRM PRICE of (\$CAD):	\$
H	Supply the spare parts as defined in Statement of Requirement, Annex A, article (entire article) 6.3 and 6.3A for a FIRM PRICE of (\$CAD):	\$
I	Preparation and Delivery – Incoterms 2000 "DDP Delivered Duty Paid" to Sidney, British Columbia, Canada. for a FIRM PRICE of (\$CAD):	\$
J	Price for evaluation – Annex C, table C.2 Pricing schedule- Table 2 For an evaluated price of \$(CAD):	\$
H	Total Price for Evaluation Applicable Taxes Excluded [A+B+C+D+E+F+G+H+I+J]: for a FIRM PRICE of (\$CAD):	\$

DELIVERY OFFERED FROM RECEIPT OF ORDER on or before May 17, 2017.

C.2 Pricing Schedule- Table 2

Item	DESCRIPTION	UNIT PRICE	Price
1C.1	<p>A shipping price from the Parts and Service Facility identified in Original Equipment Manufacturer section of the specification. The price must be for shipping replacement parts for the engine with a weight of 10Kg in a 40cm x 40cm x 40cm package. All costs as per INCOTERMS 2000 DDP must be covered by the Supplier. The price must clearly show delivery within the specified allowable time, and the all costs are to be provided as part of the price. Supporting document demonstrating this price is to be provided at the bid stage.</p> <p>Destination: Institute of Ocean Sciences, 9860 West Saanich Road, Sidney, BC, V8L 4B2. Canada.</p> <p style="text-align: right;">for a PRICE of (\$CAD):</p>		\$
1C.2	<p>A shipping price from the Parts and Service Facility identified in Original Equipment Manufacturer section of the specification. The price must be for shipping replacement parts for the engine with a weight of 10Kg in a 40cm x 40cm x 40cm package. All costs as per INCOTERMS 2000 DDP must be covered by the Supplier. The price must clearly show delivery within the specified allowable time, and the all costs are to be provided as part of the price. Supporting document demonstrating this price is to be provided at the bid stage.</p> <p>Destination: Port Hardy Coast Guard Station 8540 Shipley Street, Port Hardy, BC, V0N 2P0, Canada.</p> <p style="text-align: right;">for a PRICE of (\$CAD):</p>		\$
1C.3	<p>A shipping price from the Parts and Service Facility identified in Original Equipment Manufacturer section of the specification. The price must be for shipping replacement parts for the engine with a weight of 10Kg in a 40cm x 40cm x 40cm package. All costs as per INCOTERMS 2000 DDP must be covered by the Supplier. The price must clearly show delivery within the specified allowable time, and the all costs are to be provided as part of the price. Supporting document demonstrating this price is to be provided at the bid stage.</p> <p>Destination: Canadian Coast Guard, 2501 Seal Cove Rd, Prince Rupert, BC, V8J 4K2, Canada</p> <p style="text-align: right;">for a PRICE of (\$CAD):</p>		\$
1C.4	<p>For providing an FSR (Field Service Representative), as defined in the References section of this specification, to be onsite at the Institute of Ocean Sciences for two full days of work, where a full day of work is represented by 8 working hours on site for December 2016 (Bidder's labour rate as published by the bidder) Quote must include all the following expenses:</p> <p>a) Flight Costs to and from Victoria, BC and OEM location, or other commercial transport cost if required;</p>	<p>Unit price to be multiplied by 15 to represent 15 year life cycle cost</p>	<p>Indicated price here is unit price x 15</p>

	<p>b) Ferry Costs, if required; c) Vehicle Travel not exceeding posted government rates per http://www.njc-cnm.gc.ca/; d) Meal and incidental Costs not to exceed posted government rates per http://www.njc-cnm.gc.ca/; e) Labor rates for travel time; f) Labor rates for onsite period; and, g) Accommodation costs. h) Per diem per day</p> <p>Supporting document demonstrating this detailed price is to be provided at the bid stage.</p> <p style="text-align: right;">for a PRICE of (\$CAD):</p>		\$
1.C5	<p>The Supplier must provide a life cycle cost for all parts and consumables required up to and including the first major Transport Canada Regulated overhaul (5 years). Cost must be based on manufacturer's recommended maintenance procedures for standby generators; estimated usage is 500 hours of operation per year. ; plus the parts needed for the Transport Canada Marine Inspection which consist of inspection of main bearings, pumps, power packs and overhaul of the top end. The life cycle costs must be submitted as part of their bid, but separate from the purchase cost of the package and separate from the spare parts requested. These parts will not be part of the purchase cost. The price provided is to be multiplied by 3 to give an estimated 15 year life cycle cost for evaluation purposes.</p> <p style="text-align: right;">for a PRICE of (\$CAD):</p>	<p>Unit price to be multiplied by 5 to represent 5 year total</p>	<p>indicated price here is unit price X 5</p> <p style="text-align: center;">\$</p>
1C.6	<p>Total Price for Evaluation Applicable Taxes Excluded [1C.1 to 1C6]:</p> <p style="text-align: right;">for an evaluated PRICE of (\$CAD):</p> <p>Total Price indicated here to be transposed in Annex C- table C.1 Pricing Schedule</p>	N/A	\$

ANNEX D – TENDER DELIVERABLES

D.1 Mandatory Tender Deliverables Checklist

The following are mandatory with the bid and the Bidder's submission will be evaluated against the requirement as defined herein. The Bidder must be determined to be compliant on each item to be considered responsive.

No	Solicitation Part	Reference	Description	Document provided
1	Front page	Front page	<u>Request for Proposal</u> document part 1 page 1 completed and signed;	<input type="checkbox"/>
2	3	Article 3.1 Section I	Technical Bid Submission	<input type="checkbox"/>
3	3	Article 3.1 Section II, Annex C	Financial Evaluation Sheet, completed	<input type="checkbox"/>
4	6	Articles 6.5.3, Annex D	Contractor's Representatives, table completed	<input type="checkbox"/>

D.1.2 Contractor's Representatives

The bidder is to complete table below and submit with their bid.

Contact for:	Name	Telephone	Email
Contracting issues			
Technical issues			
Invoicing issues			

ANNEX E - EVALUATION PLAN

E-1 GENERAL

E-1.1 The general requirement for the Bidder's *Technical Bid* is stated at Part 3 of the Bid Solicitation.

E-1.2 The *Evaluation Procedure* is stated at Part 4 of the Bid Solicitation. The evaluation procedure indicates the composition of the *evaluation team*. This Annex gives the detailed *Evaluation Criteria and Scoring Procedure*.

E-1.3 In order that a complete technical evaluation of the Bid can be conducted, the Bid must be compliant with all of the bid deliverable requirements, which are summarized under Article 3-2 of the Bid Solicitation. It is the Bidder's responsibility to clearly demonstrate their capabilities and capacity to complete all of the Work and other requirements stated in the Bid Solicitation, the Statement of Work and other attachments. Bidders should describe their capabilities, how they will comply with mandatory requirements, and how they will deliver any other requested goods and/or services.

E-1.4 It is requested at Article 3-1 that the Bidder present topics in the order of these evaluation criteria and under the same headings and numbering scheme. Alternatively, the Bidder should include in their Technical Bid an applicability matrix wherein they identify, by page number, where each of the criteria is addressed in their Bid.

E-2 MANDATORY TECHNICAL CRITERIA

E-2.1 The Mandatory Technical Criteria are detailed in **Table E-1.0 Minimum Mandatory Requirements**. Mandatory Criteria will be assigned either a meet or not meet by the evaluation team. Any Bid which fails to comply with any Mandatory Criterion will be declared non-responsive. Some (or all) of the Mandatory Criteria may also be point rated, for their technical merit, in accordance with *Scoring E-2 Rated Technical Criteria -Table 2*

E-3 POINT-RATED TECHNICAL CRITERIA

E-3.1 The Point-Rated Technical Criteria are detailed in **E-2 Rated Technical Criteria - Table 2**

E-3.2 Point rating of Criteria, for their technical merit, will be conducted in accordance with *Scoring Procedure* given under Part 4 of the bid solicitation

Table E-1.0 Minimum Mandatory Requirements

The bidder must use the Statement of Requirement Annex "A" numbering sequence for the tables below.

The Bidder must provide, as part of its Technical Proposal, all documents essential to demonstrate compliance with each technical mandatory requirement, including, without limitation, photographs, maps, drawings, calculations, Original Equipment Manufacturer (OEM) specifications, documents, purchase orders (less cost data), job or Quality Control or Quality Assurance record sheets, personnel resumes, current trade certificates and, other such evidence.

The Bidder itself must meet the requirements of each evaluation item listed below, except as otherwise expressly provided in the evaluation item. If an evaluation item expressly provides that it or any element of it may be met by a subcontractor to the Bidder, then the Bidder must provide documented evidence of such compliance by its subcontractor. In that event, the Bidder must also provide evidence that it has a binding commitment with that subcontractor under which the subcontractor will perform services under subcontract with the Bidder under any contract issued pursuant to this RFP, and that such services are of the same type as are specified in the relevant evaluation item.

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
1.3. B.1	<p>The local control panel, fuel priming pump, filters, and dipstick, must be mounted on the right side of the skid when viewed from the alternator end (looking towards the engine, see image below for clarification).</p> <div> <p style="text-align: center;">Left Side</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;">Alternator</div> <div style="border: 1px solid black; padding: 5px; text-align: center;">Engine</div> </div> <p style="text-align: center;">Right Side</p> </div> <p>The bid must include a picture or drawing clearly demonstrating the location of the listed items fitted as specified.</p>			
1.3. C.1	<p>Physical Operating Conditions for Equipment</p> <p>The proposed equipment must operate and remain operational between -20°C and +50°C inclusive.</p> <p>The bid must demonstrate how the proposed equipment is designed to meet this criterion.</p>			
1.3. C.2	<p>All machinery must be designed to operate when the ship is upright and when listing at any angle up to and including 15° either way under static conditions and 22.5° either way under rolling conditions and simultaneously inclined 7.5 by the bow or stern under pitching conditions. (Marine Machinery regulation- SOR/90-264 – Schedule- XVI - Section 4- General Design Specifications Item 9).</p> <p>The bid must demonstrate how the proposed equipment is designed to meet these criteria.</p>			
1.3. C.3	<p>The proposed control equipment must operate under these temperatures and humidity (TP127E section 22.7):</p> <ul style="list-style-type: none"> (a) 95% relative humidity at temperatures up to and including 45°C; and (b) 70% relative humidity at all other relevant temperatures. <p>The bid must demonstrate how the proposed equipment is designed to meet these criteria.</p>			

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
2.1.A	<p>The bid must demonstrate that the proposed Genset package meets all of the following specifications:</p> <ul style="list-style-type: none"> A.1 Prime Power Rating of 72 kWe to 80 kWe as defined in the definition section of this specification; A.2 Provide power at 600 volts, 3 phase, and 60 Hertz; A.3 Excitation must be able to provide up to 300% Full Load Current for 10 seconds on sustained short circuit; and A.4 Withstand 110% rated kWe overload for 1 hour in accordance with the standards identified in the Prime Power Rating definition. <p>The bid must include documentation that clearly indicates the proposed Genset package's ratings. Ratings must be calculated with all specified attachments and requirements. Any de-rating of the Genset package due to attachments or requirements must also be detailed and must show the effect on the equipment rating in the bid.</p>			
2.1.A	<p>The bid must include documentation with the bid package which clearly indicates the overload capabilities of the proposed equipment meet 2.1.A.</p>			
2.1.B	<p>The proposed Genset must be:</p> <ul style="list-style-type: none"> (a) On a minimum of five commercial vessels of 15 Gross register tonnage or more; (b) Installed on or after September 1, 2011 on each of the vessels identified in (a) above ; and (c) Currently in use on each of the vessels identified in (a) above. <p>The bid must include documentation which clearly indicates which five vessels the proposed Genset has been installed on, and the date of installation on each vessel.</p> <p>Voltage ranges from 208 volt to 600 volt (inclusive) 3 phase will be accepted.</p>			
2.3.C	<p>The Skid must be fitted with oil resistant vibration resilient mounts for mounting the Skid to the Vessel. Resilient mounts must have a captive feature that must restrain the equipment in the event of resilient mount failure. Resilient mounts must be included in overall installation dimensions.</p> <p>The bid must include product information clearly showing the construction, materials and captive feature of the resilient mounts.</p> <p>Resilient mounts must be included in the overall installation dimensions as stated in Annex A, 1.3.A.</p>			

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
2.3.D-E	<p>The proposed Genset must be either: (a) type approved by a Transport Canada Marine Safety approved Classification society as defined under the Marine Machinery regulations; or (b) approved individually as a unit by an approved classification society.</p> <p>All costs for approval whether type or individual must be included in the bid price.</p> <p>If the proposed unit is type approved, then the bid must include a copy of the type approval certificate.</p> <p>If the proposed unit is to be approved individually, then the bid must include a schedule for approval which indicates the following:</p> <ul style="list-style-type: none"> i) Which Classification Society will be used for approval, ii) Date of submission for approval, iii) Estimated date of approval, iv) Estimated time between approval and delivery. 			
2.4.A	<p>The Genset must be capable of being operated (start/stop) from multiple remote locations and from the local panel.</p> <p>The bid must clearly show what fitted features allow for remote and local operations as specified.</p>			
2.4.B	<p>The Genset package must not exceed the specified allowable dimensions as stated in paragraph 1.3.A of the Critical Criteria Section of the specification.</p> <p>The bid must clearly indicate overall dimensions of the assembled Genset with measurements highlighted. Measurement must include engine, alternator, skid, resilient mounts, control panel, and up to and including the exhaust manifold. If an expansion tank is fitted to the engine, it must be included in calculation for the overall dimension of the Genset.</p>			

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
2.4.B	<p>If disassembly is required to allow the Genset to fit into the space, the bid must include confirmation from the manufacturer that disassembly for the purpose of installation does not affect warranty.</p> <p>Additionally, the bid must indicate if OEM FSR presence is required to witness disassembly and reassembly in order to maintain warranty.</p> <p>The bid must provide a detailed list of what items must be removed and reinstalled to achieve installation within the stated installation access dimensions.</p>			
3.1.C	<p>The diesel engine must be fitted with an OEM air starter. Air start must require 9.56 Bar or less. The components required to adapt the package to the ship's air system will not be part of this procurement. The Air Starter must be supplied and mounted to the engine on delivery. The bid must include all the required air start components including a system operation description.</p>			
3.1.D	<p>The diesel engine must be fitted with engine driven fuel pump(s), lube oil pump(s), and cooling water pump(s). In addition to being engine driven, the lube oil pump must be gear driven.</p> <p>The bid must include an engine schematic and highlight the location of each pump fitted to the engine and method of operation.</p>			
3.1.G	<p>The diesel engine must be fitted with all fuel system components required for operation. Connection from the inlet of the first system component to the ship's fuel supply system will not be part of this procurement. The Supplier must provide documentation which details the fuel delivery requirements including maximum head pressure, nominal pipe size, and required flow rates with the bid package.</p>			
3.2.A	<p>The diesel engine must be capable of operation on Naval distillate fuel (-6°C pour) CGSB-3.11-2010, type 11.</p>			
3.2.B	<p>The Supplier must clearly indicate all fuel filters fitted with their filtration rating and clearly indicate which filter is capable of filtering water from the fuel with the bid package.</p>			
3.2.C	<p>The fuel filters fitted must be duplex spin-on disposable cartridge type full flow fuel filters, with the ability to operate on one filter, and change over filters while engine is in operation. Bid to clearly demonstrate the filter type and functions.</p>			

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
3.2.E	The diesel engine must be fitted with a manual fuel priming pump as a means to aid in priming the fuel system after filter changes. The Supplier must provide documentation, drawings, or photos which indicate the fitting of the manual fuel priming pump as part of the bid package.			
3.2.F	The fuel system must be in accordance with SOLAS Regulation 15.2.9, which requires that all high pressure lines, lines between pumps producing injection pressure and the injectors, be fitted with double walled piping. The Supplier must provide documentation, drawings and/or photos which clearly describe the protection fitted, or clearly describe the design of the system which negates the need for meeting SOLAS 15.2.9, double wall piping, as part of the bid package.			
3.3.A	The engine must be equipped with duplex spin-on disposable cartridge type full flow lubrication oil filters. The filters must be designed such that the engine can operate on one filter, and that change over from one filter to the other can be done while operating. The Supplier must provide documentation, drawings and/or photos indicating the fitting of duplex filters with the bid package.			
3.3.C	A relief valve must be provided external to the filter casing. The relief valve must bypass oil around the filter if the filter becomes clogged and provide notification of the same. The Supplier must provide documentation, drawings, or photos of the bypass feature fitted to the oil filters as part of its bid package.			
3.3.D	The engine must be capable of utilizing lubricating oil supplied by major bulk oil Suppliers. The Supplier must provide documentation indicating the manufacturer approved lubrication oils as part of the bid package.			
.3.E	The engine must be fitted with oil sample ports. The Supplier must demonstrate by drawing or photo the location of oil sampling ports fitted to the engine as part of the bid package.			
3.3.F	The engine must be fitted with a dipstick or bayonet gauge which allows gauging of the lubricating oil level while the engine is in operation under load. The Supplier must provide documentation, drawings or photos which clearly indicate the oil gauging method, with wording indicating that it can be done under operation, as part of the bid package.			

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
3.3.G	The diesel engine must be fitted with a means to fill the engine with oil to its recommended operational level while the engine is running and under load. The Supplier must provide documentation, drawings or photos which clearly indicate the fill location, with wording indicating that it can be done under operation, as part of the bid package.			
3.4.A	The diesel engine must have a pre-start heater that maintains engine at manufacturer's recommended temperature for emergency back-up operations. The Supplier must provide documentation for supplied pre-start heater clearly indicating power requirements, and what temperature the system must be maintained for back-up operations.			
3.4.B	The diesel engine must be air cooled by an engine mounted radiator system and engine driven fan. The Supplier must provide drawings or pictures that clearly indicate the radiator mounted to the skid with the engine and included in the overall dimensions.			
3.5.A	The diesel engine must be fitted with a system to dissipate, through the engine intake, all engine generated oil fumes. The Supplier must provide the crankcase characteristics and the product information for the proposed system as part of the bid package; with the capacity highlighted.			
3.5.D	The diesel engine must be fitted with dry type air intake filters. The Supplier must provide documentation, drawings or photos which clearly indicate that the proposed air intake filters are dry type.			
4.1.A	The rotor and stator windings must be fitted with Class H insulation. Insulation must be 100% solids void free. The Supplier must provide with the bid package documentation that clearly indicates the insulation rating of the proposed alternator.			
4.1.B	The alternator must be self-ventilated and have a minimum drip proof rating of IP 23. The Supplier must provide documentation, and/or drawings that clearly indicate the drip proof rating and the method of self-ventilating with the bid package.			
4.1.C	The alternator must be 600 Volt, 3-phase, and have a Prime Power rating between 72 to 80 kWe with all attachments and fittings. Supplier must provide documentation, with the bid package, which clearly indicates all three requirements listed above.			

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
4.1.D	Alternator must be brushless and self-exciting. The Supplier must provide documentation and/or drawings, with the bid package, which clearly indicate that the alternator is brushless and is self-exciting.			
4.1.E	The Alternator must be 3 phase, 4 wire, and wye type connection. Windings must be 2/3 pitch, broad voltage band. The Supplier must provide documentation and/or drawings, with the bid package, which clearly indicate the capability to connect the alternator in accordance with this requirement.			
4.1.F	The alternator must be fitted with a solid state voltage regulator with integral voltage adjustment, plus remote adjustment capability in accordance with the Remote Control and Monitoring section of this specification. The Supplier must provide documentation, with the bid package, that clearly indicates the proposed system is fitted with a solid state voltage regulator			
4.1.H	The Supplier must provide documentation which clearly indicates that the proposed alternator is capable of Prime operation between 0.8 and 0.85 lagging power factor with the bid package.			
4.1.I	The Supplier must provide documentation which clearly indicates the fitting of an Anti-Condensate Heater fitted in the windings of the alternator as part of the bid documentation.			
4.1.J	The alternator must be capable of being fitted with filter material to prevent ingress of dust and debris into the alternator. All filtration must be accounted for in the calculation of the rated load of the unit. The Supplier must provide documentation, drawings, and/or photos indicating clearly the ability to fit filter materials to the alternator venting system.			
4.1.K	The Supplier must provide, with the bid, documentation which clearly indicates the alternator meets the following requirements: <ul style="list-style-type: none"> i. 0% to 3% waveform deviation from line to line at no-load; ii. Steady state automatic voltage regulation of less than plus or minus 2.5% of rated voltage for all loads between zero and rated load at rated power factor; and iii. Voltage balance, with balanced loads, within 1% variance between phases. 			

Spec #	Criterion	Criterion Met / Criterion Not Met	Bid Reference	Comments
5.1.B	The Supplier must provide documentation showing the local monitoring panel meets IP 23 enclosure protection rating or higher. The Supplier must provide documentation, drawings, and/or photos that clearly demonstrate the enclosure rating. This will be verified at the testing.			
5.2.A	For the purpose of synchronization, load sharing, and control, the proposed Genset must be capable of being controlled by an external load-share module fitted at the switchgear. The Supplier must include with the bid package the requirements for the load share module to effectively interface with the Genset. A list of acceptable load share modules with specific make and model numbers will be accepted.			
5.2.C	The proposed system must include a data link or outputs that allow remote monitoring of the following: a) Engine Rotations Per Minute b) Engine Lube Oil Pressure; c) Engine Lube Oil Temp; d) Engine Jacket Water Pressure; e) Engine Jacket Water Temp; f) Alternator Bearing Temperature; g) Exhaust Stack Temperature; h) Lube Oil Sump Low Level; and i) Failure to Start.			
6.4.B	Warranty must not be affected by the installation of the Genset, and is to be clearly indicated as part of the bid package in accordance with these specifications.			

E-2 Rated Technical Criteria

Table 2

Item	Point Rated Requirements	Scoring and Evaluation Criteria	Bid Ref Page #	Raw Score	Total Points
2.2A	<p>The Supplier must be an official distributor for the Original Equipment Manufacturer. To be considered an OEM distributor, the Supplier must be able to supply OEM parts, OEM manuals, and provide the services of a FSR as defined in 1.2.B.</p> <p>For the purpose of evaluation, OEM manufacturers will be awarded points based on the number of years that the OEM has been producing and owned intellectual property on marine generators (designed as marine application or commercial applications that have been converted to marine installations).</p> <p>The supplier must provide documentation which clearly demonstrates the number of years, the makes and models of the equipment.</p> <p>Max Score Points: 50 Points Min Score Points: 5 Points</p>	20 years or more		50	
		10 or more years but less than 20 years		40	
		5 or more years but less than 10 year		30	
		2 or more years but less than 5 years		20	
		1 or more years but less than 2 years		5	

2.2B	Proposed engine design:	Marine rated		50	
	Engine type definition: Commercial rated design: Commercial engine (not designed exclusively for marine application) Engine used accessorized equipment to marinize the engine. Marine rated design: Engine designed exclusively for marine application only. Max Score Points: 50 Points Min Score Points: 30 Points	Marinized Commercial rated		30	
2.2C	The time period that the proposed engine has been in production..	More than 10 Years		40	
	Production is considered to have commenced on the date the proposed engine entered the commercial market date until the date of closure of the Solicitation.			30	
	Supplier to provide evidence of this date by formal published announcement (Internal to the supplier or external to the public)	6 or more years but less than 10 years			
		1 or more years but less than 6 years		20	
		Less than one year but more than zero days		10	

2.2D	<p>Field Service Representative (FSR) experience.</p> <p>Beyond the requirement of having a qualified and Certified OEM Field Service Representative for the proposed engine, this criterion allocates points based on the number of years the proposed FSR has worked for the OEM and serviced the proposed engine.</p> <p>Max Score Points: 35 Points Min Score Points: 10 Points</p>	More than 10 year		35	
		6 or more years but less than 10 years		20	
		2 or more years but less than 6 years		15	
		Less than 2 years		10	
2.2.F	<p>The location of the Original Equipment Manufacturer (OEM) testing facilities.:</p> <p>Canadian Coast Guard staff familiar with the genset and its installed vessel will be required at the OEM's testing facilities over the life cycle of the genset.</p> <p>The Bid demonstrates that the proposed genset's OEM testing facility is located in <u>(A)</u>.</p> <p>Max Score Points: 30 points Min Score Points: 0 Points</p>	(A) Is in Canada		30	
		(A) is within North America excluding Canada		20	
		(A) is outside of North America		0	

<p>2.2.G Annex A, 2.2.B.1 identifies three delivery locations.</p> <p>For this scenario, the ordered parts are one engine head C/W Valve, Valves spring covers and gasket kit for one head</p> <p>The bid demonstrates that upon receipt of an order, the Bidder can have the ordered parts:</p> <p>Delivery conditions: All costs as per INCOTERMS 2000 DDP at destination.</p> <p>Max Score Points: 60 points Min Score Points: 0 Points</p>	Delivered to all 3 of the locations within 24hrs		60
	Delivered to 2 of the locations within 24hrs and 1 location within 48hrs		42
	Delivered to 1 of the locations within 24hrs and 2 location within 48hrs		28
	Delivered to 3 locations within 48hrs		17
	Delivered to 2 of the locations within 48hrs and 1 location within 68hrs		9
	Delivered to 1 of the locations within 48hrs and 2 location within 68hrs		4
	Delivered to 3 locations within 68hrs		1
	Delivered to all locations later than 68hrs		0

2.2.H	<p>Annex A, 2.2.B.1 identifies three delivery locations.</p> <p>The bid demonstrates that upon receipt of a request, the Bidder can provide on-site FSR service at:</p> <p>Maximum Score: 60 points Minimum Score Point: 0</p>	All 3 of the locations within 24hrs	60
		2 of the locations within 24hrs and 1 location within 48hrs	42
		1 of the locations within 24hrs and 2 location within 48hrs	28
		3 locations within 48hrs	17
		2 of the locations within 48hrs and 1 location within 72hrs	9
		1 of the locations within 48hrs and 2 location within 68hrs	4
		3 locations within 68hrs	1
		All locations later than 68 hrs	0
2.4.I	<p>The bid includes documentation which details, based on the maximum installation access, the requirements for installing the proposed Genset.</p> <p>Max Score points: 25 Min Score Point: 10</p>	No disassembly required – package fits through access.	25
		Disassembly required. OEM FSR presence is not required to witness the disassembly and reassembly activities in order to maintain the warranty.	20
		Disassembly required. OEM FSR presence is required to witness the disassembly and reassembly activities in order to maintain the warranty.	10

2.2.J	<p>The bid includes documentation that the generator set is in current use on a minimum of five commercial vessels of 15 GRT or more; installed on or after September 1, 2011. The bid includes documentation, which clearly indicates all vessels the proposed package has been installed on, and the date of installation. Voltages between 208 volts and 600 volts (inclusive), 3 phase will be accepted.</p> <p>Max Score 70 Points Min Score 30 points</p>	Installed on 20 or more commercial vessels	70
		Installed on 15 to 19 commercial vessels	60
		Installed on 11 to 14 commercial vessels	50
		Installed on 8 to 10 commercial vessels	40
		Installed on 6 to 7 commercial vessels	30
			<p>Max. Points = 390 Min. Points = 85 Required passing point 70%= 273</p>