



**RETURN BIDS TO:**

**RETOURNER LES SOUMISSIONS À:**

Bid Receiving - PWGSC / Réception des soumissions -  
TPSGC

11 Laurier St. / 11, rue Laurier

Place du Portage, Phase III

Core 0B2 / Noyau 0B2

Gatineau, Québec K1A 0S5

Bid Fax: (819) 997-9776

**SOLICITATION AMENDMENT  
MODIFICATION DE L'INVITATION**

The referenced document is hereby revised; unless otherwise  
indicated, all other terms and conditions of the Solicitation  
remain the same.

Ce document est par la présente révisé; sauf indication contraire,  
les modalités de l'invitation demeurent les mêmes.

**Comments - Commentaires**

**Vendor/Firm Name and Address**

Raison sociale et adresse du  
fournisseur/de l'entrepreneur

**Issuing Office - Bureau de distribution**

Ship Refits and Conversions / Radoubss et  
modifications de navires and / et

11 Laurier St. / 11, rue Laurier

6C2, Place du Portage

Gatineau, Québec K1A 0S5

<b>Title - Sujet</b> CCGS Cape Roger and CCGS Cygnus VLE	
<b>Solicitation No. - N° de l'invitation</b> F7049-200079/A	<b>Amendment No. - N° modif.</b> 007
<b>Client Reference No. - N° de référence du client</b> F7049-200079	<b>Date</b> 2021-01-12
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$\$MD-045-28005	
<b>File No. - N° de dossier</b> 045md.F7049-200079	<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> Eastern Standard Time EST <b>on - le 2021-02-26</b> Heure Normale du l'Est HNE	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Hora, Bharat	<b>Buyer Id - Id de l'acheteur</b> 045md
<b>Telephone No. - N° de téléphone</b> (343) 551-4942 ( )	<b>FAX No. - N° de FAX</b> ( ) -
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<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>

**Solicitation Amendment # 7 is issued to:**

- 1) Respond to Vendor Questions (Pre-Conference and Bidders' Conference)
- 2) Modify Section 6.15, Project Management Services
- 3) Modify Annex A, Various Sections

**1) Respond to Vendor Questions (Pre-Conference and Bidders' Conference)**

**AA) Pre Bidders' Conference and Bidders' Conference Solicitation Questions**

Q1. Section 2.7.1: What is the crew size returning at the end of the refit, and what will be the extra costs associated to provide BID against?

A1. The final ships compliment is 19. Some of these positions(Commanding Officer, Store Keeper, etc) will start to come back slowly prior to the end of refit. There should be no additional costs associated with the increase in crew as CG pays for travel, meals and accommodations while the ship is unlivable.

Q2. Section 6.15: Project Management Experience – States the requirement to have experience working on at least three marine refit projects valued greater than \$2.5 M. Can we request an exception based on references and other construction projects, in the construction and environmental sector, based in excess of \$100 M

A2. PSPC has modified this section. This is being reflected in the Solicitation Amendment.

Q3. Annex H Appendix 1 and Appendix 2: Will an itemized pricing data sheet be provided for this ITT and, if so, when will it be made available?

A3. It will be made available as soon as possible.

**BB) Bidders Conference Specification (Annex A) Related Questions**

**H-08 Bilge Cleaning**

Q. Can you confirm the area to be cleaned?

A. The Contractor can calculate the area to be cleaned with the provided drawings and videos.

**H-09 Potable Water Tanks Coating**

Q. Can you confirm the area to be cleaned?

A. The Contractor can calculate the area to be cleaned with the provided drawings and videos.

#### **H-20 Ballast Tank Inspection**

Q. Can you confirm the area to be cleaned?

A. The Contractor can calculate the area to be cleaned with the provided drawings and videos.

#### **H-46 Fresh Water Cooling Piping Replacement**

Q. Will Viega Fittings be acceptable?

A. Viega fittings will be acceptable where approved by Class

#### **H-49 Domestic Fresh Water Piping Replacement**

Q. Do all piping systems need to be pickled?

A. General Notes Section has been modified to cover this requirement for piping systems. This is being reflected in the Solicitation Amendment.

#### **H-56 Fire Main Piping Replacement**

Q. Are Victaulic Fittings Approved?

A. Victaulic fittings will be accepted as long as there is Class approval for the system being worked on.

#### **HD-20 TailShaft, Bearings, Propeller and Mechanisms**

Q. Can there be an allowance added for the chockfast as per usual practice?

A. \$25,000.00 to be added as an allowance for travel, materials and labour based on invoice. This is being reflected in the Solicitation Amendment.

## 2) Modify Section 6.15 Project Management Services

**Delete (in its entirety): 6.15 Project Management Services**

**Add/Insert: 6.15 Project Management Services:**

### 6.15 Project Management Services

The Bidder is required to provide a Project Management Team experienced and capable of successfully managing the ship refit contract as defined herein. Project management personnel, services and deliverables must comply with the requirements detailed in the contract.

#### 1. Intent

- (a) Job titles used in this section are for clarity within this document only. The Contractor is free to choose job titles that suit its organization.
- (b) The Contractor, through its Project Management Team, is responsible to discharge the duties and supply the deliverables required in the Contract and the Specifications.
- (c) Project Management encompasses the direction and control of such functions as engineering, planning, purchasing, manufacturing, assembly, overhauls, installations and test and trials.

#### 2. Project Manager

- (a) The Contractor must supply an experienced Project Manager (PM).
- (b) The PM must have experience in managing a project of this nature.

**The Bidder must identify, at the time of bidding, the individual whom, if awarded this Contract, it intends to use as the Project Manager for this work. The individual's curriculum vitae (CV) must be included with the bid. The identified individual must meet the following criteria:**

- 1- The Bidder must provide a curriculum vitae (CV) that demonstrates the proposed Project Manager has the required experience.
- 2- The Project Manager must have completed a minimum of three (3) marine refit projects or a combination of at least one marine refit project and other equivalent construction projects valued greater than \$2,500,000.00 per project, within the last seven (7) years.

The CV must identify each marine refit project managed by the proposed PM; the Bidder must provide, as a minimum, the following:

- Project name:
- Project value:
- Project picture(s) and/or description:
- Project year of delivery:

#### 3. Quality Assurance

- (a) The Contractor must supply an experienced Quality Assurance facilitator position.

(b) The individual must have experience in administrating a project of this nature.

**The Bidder must identify, at the time of bidding, the individual whom, if awarded the contract, it intends to have responsible for facilitating the quality system referenced in section 6.9. The identified individual must be a different individual than the Project Manager identified in the previous section. This individual's curriculum vitae (CV) must be included with the bid. The identified individual must meet the following criteria:**

- 1- The Bidder must provide a curriculum vitae (CV) that demonstrates the proposed individual has the required experience. This experience shall include Quality Assurance training related to the quality system referenced in section 6.9.
- 2- The individual must have completed a minimum of three (3) years experience in a quality facilitator/administrator position.

#### **4. Vessel Supervision**

(a) The Contractor must supply an experienced Vessel Supervisor/Superintendent.

(b) The individual must have experience in supervising a project of this nature.

**The Bidder must identify, at the time of bidding, the individual whom, if awarded this Contract, it intends to use for the supervision of this work. The identified individual must be a different individual than the Project Manager and the Quality Coordinator/facilitator. The individual's curriculum vitae (CV) must be included with the bid. The identified individual must meet the following criteria:**

- 1- The Bidder must provide a curriculum vitae (CV) that demonstrates the proposed individual has the required experience.
- 2- The individual must have supervised a minimum of three (3) marine refit projects or a combination of at least one marine refit project and other equivalent construction projects valued greater than \$2,500,000.00 per project, within the last seven (7) years.

The CV must identify each marine refit project managed by the proposed individual; the Bidder must provide, as a minimum, the following:

- Project name:
- Project value:
- Project picture(s) and/or description:
- Project year of delivery:

#### **5. Project Management Team**

The collective resume of its Project Management must provide for the effective control of the project elements including but not limited to:

- i. Project Management
- ii. Quality Assurance
- iii. Planning and Scheduling
- iv. Vessel Supervision

#### **6. Tender Deliverable**

Names, brief resumes, and list of duties for each of the core, three (minimum) team members (as identified above in article 2 to 5) that ensures that each of the project elements listed in Article 5. above have been addressed. A certificate/diploma in Quality Assurance training related to the proposed quality system must be included.

## **7. Reports**

The following Management Reports and Documentation are to be prepared and maintained by the Contractor and submitted to Canada in accordance with the Contract or upon request by the Contracting Authority.

- i. Production Work Schedule / Production Chart
- ii. Inspection Test Plan Summary
- lii. Growth Work Summary
- iv. Risk Register (refer to template in Annex L)

**Refer to Annex "J1" for Deliverables/Certifications.**

### **6.16 List of Proposed Subcontractors**

If the bid includes the use of subcontractors, the Bidder shall provide a list of all subcontractors including a description of the things to be purchased, a description of the work to be performed by specification section and the location of the performance of that work. The list should not include the purchase of off-the-shelf items, software and such standard articles and materials as are ordinarily produced by manufacturers in the normal course of business, or the provision of such incidental services as might ordinarily be subcontracted in performing the Work, i.e. subcontract work valued at less than \$ 5,000.00 aggregate for the project.

**Refer to Annex "J1" for Deliverables/Certifications.**

## **3) Modify Annex A, Various Sections**

### **AA) Add/ Insert At General Notes: New Section 17**

## **17 New Piping**

### **17.1 Cleanliness During Pipe Installation**

**17.1.1** All piping must be verified to be clean before lifting it onboard for installation. During the construction time uncompleted piping systems must be maintained clean. Open pipe ends must be temporarily sealed. Possible debris must be removed with a suitable method. All tanks must be inspected and found clean before filling up with fuel, oil or water.

Piping cleaning methods are summarized below:

#### **17.1.2 System Methods**

**17.1.2.1** Fuel oil A,B,C,D,F

**17.1.2.2** Lubricating oil A,B,C,D,F

- 17.1.2.3** Starting air A,B,C
- 17.1.2.4** Cooling water and Seawater Piping A,B,C
- 17.1.2.5** Exhaust gas A,B,C
- 17.1.2.6** Charge air A,B,C
- 17.1.2.7** Hot water A,F,G
- 17.1.2.8** Potable water A,F,G
- 17.1.2.9** Bilge and Ballast A, B, C
- 17.1.2.10** Domestic Water A, F, G
- 17.1.2.11** Grey and Black Water A, B, C
- 17.1.2.12** Fire Main A, B, C

#### **17.1.3 Methods applied during prefabrication of pipe spools**

*A = Washing with alkaline solution in hot water at 80°C for degreasing*

*B = Removal of rust and scale with steel brush (not required for seamless precision tubes)*

*D = Pickling (not required for seamless precision tubes)*

#### **17.1.4 Methods applied after installation onboard**

*C = Purging with compressed air*

*F = Flushing*

*G = Superchlorination*

#### **17.1.5 Pickling**

- 17.1.5.1** Prefabricated pipe spools are pickled before installation onboard.
- 17.1.5.2** Pipes are pickled in an acid solution of 10% hydrochloric acid and 10% formaline inhibitor for 4-5 hours, rinsed with hot water and blown dry with compressed air.
- 17.1.5.3** After acid treatment the pipes are treated with a neutralizing solution of 10% caustic soda and 50 grams of trisodiumphosphate per litre of water for 20 minutes at 40...50°C, rinsed with hot water and blown dry with compressed air.

**BB) At H-45 Hot Water System Piping Replacement**

**Delete (in its entirety):**

**3.1.19**

**Insert:**

**3.1.19** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**CC) At H-46 Fresh Water Cooling Piping Replacement**

**Delete (in its entirety):**

**3.1.17**

**Insert:**

**3.1.17** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**DD) At H-47 Bilge and Ballast System Piping Replacement**

**Delete (in its entirety):**

**3.1.17**

**Insert:**

**3.1.17** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**EE) At H-48 Sea Water Piping Replacement**

**Delete (in its entirety):**

**3.1.17**

**Insert:**

**3.1.17** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**FF) At H-49 Domestic Water System Piping Replacement**

**Delete (in its entirety):**

**3.1.19**



**Insert:**

**3.1.19** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**GG) At H-50 Grey and Black Water Piping Replacement**

**Delete (in its entirety):**

**3.1.19**

**Insert:**

**3.1.19** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**HH) At H-51 Fuel Piping Replacement**

**Delete (in its entirety):**

**3.1.17**

**Insert:**

**3.1.17** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**JJ) At H-56 Fire Main Piping Replacement**

**Delete (in its entirety):**

**3.1.19**

**Insert:**

**3.1.19** For details on piping cleaning and treatment methods, refer General Notes Section 17.

**KK) At HD-20 TailShaft, Bearings, Propeller and Mechanisms**

**Delete (in its entirety):**

**3.4.11**

**Insert:**

**3.4.11** Final chocking of the shaft line bearings will be the responsibility of The Contractor once the alignment has been completed and is deemed within the alignment limits as outlined by the FSR.

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Client Ref. No. - N° de réf. du client  
F7049-200079

Amd. No 7. - N°7 de la modif.  
File No. - N° du dossier  
045mdF7049-200079

Buyer ID - Id de l'acheteur  
045md  
CCC No./N° CCC - FMS No./N° VME

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Alignment and run-out will be rechecked once the chocking material has completely cured. The Contractor must include an allowance of \$25,000.00 for the services of a Chockfast (or equivalent) technician for this specification item. Any necessary adjustments will be through PSPC 1379 action upon presentation of invoices. This cost is to include cost per day, accommodations, meals and transportation

**End of Solicitation Amendment #7**