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

Title - Sujet CCGS Griffon Alongside Summer Refit	
Solicitation No. - N° de l'invitation F2599-195010/A	**Amendment No. - N° modif.** 005
Client Reference No. - N° de référence du client F2599-195010	**Date** 2019-06-19
GETS Reference No. - N° de référence de SEAG PW-$$MD-039-27329	
File No. - N° de dossier 039md.F2599-195010	**CCC No./N° CCC - FMS No./N° VME**
Solicitation Closes - L'invitation prend fin **at - à 02:00 PM** **on - le 2019-06-20**	**Time Zone** **Fuseau horaire** Eastern Daylight Saving Time EDT
F.O.B. - F.A.B. **Plant-Usine:** ☐ **Destination:** ☐ **Other-Autre:** ☐	
Address Enquiries to: - Adresser toutes questions à: Blackburn, Jessica	**Buyer Id - Id de l'acheteur** 039md
Telephone No. - N° de téléphone (873) 469-3297 ( )	**FAX No. - N° de FAX** ( ) -
Destination - of Goods, Services, and Construction: **Destination - des biens, services et construction:**	

Vendor/Firm Name and Address
Raison sociale et adresse du fournisseur/de l'entrepreneur

Instructions: See Herein

Instructions: Voir aux présentes

Delivery Required - Livraison exigée	**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**

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

Amendment 005 is raised to:

1. Provide responses to bidder questions;
2. Revise Specification Item 12.1.D.2.2;
3. Revise Specification Item 11.1.C.4.2;
4. Revise Specification Items 10.3.C.2.6 and 10.3.C.2.7;
5. Add Item 14.0 Power System Distribution to the Specification;
6. Revise ANNEX H – Appendix 1 - Pricing Data Sheet - to include additional work;
7. Provide Document “Crew’s mess underlay”.

Q1: Item. 10.3 Fire system annual inspection: 10.3.C.2.1. The Contractor must provide the services of a certified Kidde and Notifier FSR and materials to perform the work in this section of the SOW.

Question: If Service provider is certified by Notifier FSR and class approved (ABS, L’loyds Register, DNV-GL) and not certified by Kidde, can you please confirm that will be accepted as service provider?

Answer: Yes

Q2 Item. 10.3 Fire system annual inspection: 10.3.C.2.2. The Contractor must inspect, test and certify the Notifier NFS-640 Fire Detection System.

Question: Can you provide please a drawing with specification and more information regarding this system?

Answer: See drawings provided at Amendment 003 dated June 13, 2019.

- 640 Programming Manual
- 640 Installation Manual
- 640 Operation Manual
- Drawing 788211-1-1.pdf
- Drawing 788211-1-2.pdf

Q3. Item. 10.3 Fire system annual inspection: 10.3.C.2.3. The Contractor must inspect, test, and certify the work barges and Fast Rescue CraftFM-200 fire suppression systems (6 of)

Question: Can you provide please a drawing with specification and more information regarding this system?

Answer: See 2017 and 2018 Griffon Fire System Inspection Reports provided at Amd 003 dated June 13, 2019.

Q4: Item. 10.3 Fire system annual inspection: 10.3.C.2.4. The Contractor must inspect, test, and certify the CCGS Griffon's fixed CO2 Suppression systems

Question: Can you provide please a drawing with specification and more information regarding this system?

Answer: See 2017 and 2018 Griffon Fire System Inspection Reports provided at Amd 003 dated June 13, 2019.

Q5. As specified in this Solicitation, bid closing date is 18 June 2019

Question 5: Can we have an extension of the bid closing date by one week, 26 June instead of 18 June 2019?

Due to the limited time between closing date and contract start date we can only extend the closing date to June 20, 2019.

Q6: Item. 10.2 Sprinkler tank survey: 10.2.C.4.2 . The contractor must fill the tank with fresh water.
Question: Please confirm fresh water to fill up the sprinkler tank will be provided by ship?

Answer: Yes. The Contractor may use the ship's potable water fill line fitted to the sprinkler tank to fill the tank.

Q7: Item. 10.1 Bilge cleaning: 10.1.C.1.6. As an option, the contractor must provide a quote for second bilge cleaning.
Question: Please provide and specify quantity and type of expected bilges waste for disposal to be included in our optional proposal for second bilge cleaning.

Answer: Estimates for the Motor Room: 3000L of oily water. Estimates for the Engine Room 5000L of oily water

Q8: Item. 11.1 Bridge windows: 11.1.D.2.1 Contractor must perform a hose test on all windows using a 12mm diameter nozzle from 3 meters away with water pressure of 60psi.
Question: Please confirm if ship fire fighting system will be available and can be used for the water hose test, as discussed during the site visit?

Answer: As per amendment 003, the Contractor will have access to a water hydrant rated at 100 psi.

Q9: Item 12.1 Main steering gear pumps survey: 12.1.D.2.2 ... Any defects must be repaired by the Contractor at the Contractor's expenses.

Question: Please specify that only defects related to job included in this Contract are to be repaired by the Contractor, instead of "ANY defects" as written in this item.

Answer: Remove Specification Item 12.1.D.2.2 and replace with:

The Contractor is responsible for all labour and equipment required to perform the steering gear testing in the presence of the TCMS inspector and the TA. Any defects resulting from the work in this Contract must be repaired by the Contractor at the Contractor's expenses.

Q10: Item 12.2 Telemotor systems: 12.2.C.3.1 The contractor must collect and dispose of the oil from both the port and starboard telemotor systems
Question: Please specify quantity of oil to be drained & disposed

Answer: 350L per telemotor systems for a total of 700L.

Q11: Can we assume that the underlayment and A60 insulation is in the same condition as when it was installed and there has been no deterioration?

I ask because in item 11.4.C.1.7 the liability of the top covering is on the contractor. If the underlayment or the insulation has been damaged or deteriorated the floor covering could be damaged instantly.

Answer: Yes. There is approximately 8'' of Insulite concrete in the area of the repairs. CCG has not reason to believe this underlay is damaged. See attached document ''Crew's mess underlay.pdf''

Q12: 11.1 Bridge windows: 11.1.C.4.2 Contractor must provide new window seals for the sliding windows including seals for the sliding window handles and the Clearview.

Question: Please provide detail information regarding the seals required or please confirm that will be provided by Beclawat (as discussed during the site visit meeting)

Answer: At Specification Item 11.1.C.4.2 remove and replace with:

The Contractor must remove and retain the existing sliding windows seals. The Contractor must remove and retain for re-use the aluminum retain strip and associated screws holding the window seals in place and remove and store the seals for re-use. The Contractor must clearly identify the location and position of the seal so that it is re-installed in the same location. All seals must be re-installed with the joint at the top the window opening. The Contractor must provide and install new seals for the sliding window handles made of 1/8" neoprene rubber, the seals must be cut to fit, approximately 1 ½" in diameter. There are 4 seals per sliding window handles for a total of 16. The Clearview seals on both sides of the window pane

are included in the supplied Speich clearview assembly and are GSM. All seals must be manufactured of material suitable for extended use in all weather conditions identified in table 1.

At Specification Items 10.3.C.2.6 and 10.3.C.2.7, delete in their entirety and replace with:

10.3.C.2.6 The Contractor must have the following fire extinguishers hydrostatically tested:

Ext. #	Location	Size	Type
1	Wheel House Center	10lbs	ABC Dry Chem
4	Bridge Deck Alleyway-By Comm Center	10 lbs	ABC Dry Chem
13	M/G Compartment- Aft (for fueling)	10lbs	ABC Dry Chem
14	Fire Deck Locker	10 lbs	CO2
15	Fire Deck Locker	10 lbs	CO2
16	Emergency Generator Room Stbd	10 lbs	ABC Dry Chem
17	Upper Fan Room	5 lbs	CO2
18	Officer's Mess	5 lbs	CO_2
19	Poop Deck Alleyway Stdb- By fire station #8	10 lbs	ABC Dry Chem
20	Officer's Lounge	10 lbs	ABC Dry Chem
21	Pop Deck Alleyway Fwd	10 Lbs	ABC Dry Chem
27	Tween Deck Center	10lbs	ABC Dry Chem
28	Tween Deck Port- Lower Stairway	20lbs	ABC Dry Chem
29	Cargo Hold Aft Post	20 lbs	ABC Dry Chem
30	Cargo Hold End of stairway	10 lbs	ABC Dry Chem
35	Refrigerator Flats	10 Lbs	ABC Dry Chem
36	Laundry Flats	10 lbs	ABC Dry Chem
37	Outside Exercise Room	10lbs	ABC Dry Chem
39	Galley center	6 L	Wet Chemical K

45	By Control Room Entrance	5lbs	ABC Dry Chem
52	Sewage Compartment	10 lbs	ABC Dry Chem
53	Lower Engine Room Aft Port	10 lbs	ABC Dry Chem
55	In Between Stbd Main Engines	20 lbs	ABC Dry Chem
58	Engine Room Workshop	15 lbs	CO_2
59	Barge	5 lbs	ABC Dry Chem
61	STBD Boom Cab	5 lbs	ABC Dry Chem
62	In Between Port Main Engines	20 lbs	ABC Dry Chem
63	Port Boom Cab	5 lbs	ABC Dry Chem
66	M/G Compartment	10 lbs	ABC Dry Chem
68	Battery Locker	5 lbs	CO_2
69	Machinery Control Room	10 lbs	CO_2
70	Engine Room Workshop Starboard	15 lbs	CO_2
78	FRC	5 lbs	ABC Dry Chem
79	CO_2 Room	10 lbs	CO_2

10.3.C.2.7 The Contractor must carry out a 5 year inspection on the following extinguishers:

Ext. #	Location	Size	Type
7	Upper Fan Room	5 lbs	ABC Dry Chem
10	Boat Deck Alleyway- By Engineer Office	10 lbs	ABC Dry Chem
22	Paint Locker	5 lbs	ABC Dry Chem
23	Lower Fan Room	5 lbs	ABC Dry Chem
24	Poop Deck Alleyway aft- By Passenger Cabin #4	5 lbs	ABC Dry Chem
25	M/G compartment- FWD	5 lbs	ABC Dry Chem
26	CO2 Room	5 lbs	ABC Dry Chem
33	Upper Deck Alleyway Stbd	10 lbs	ABC Dry Chem

34	Steering Gear Compartment	10 lbs	ABC Dry Chem
42	Upper Engine Room By Entrance	5 lbs	ABC Dry Chem
43	Upper Engine Room Fwd	5 lbs	ABC Dry Chem
46	Control Room by computer	5 lbs	ABC Dry Chem
49	By stairway	5 lbs	ABC Dry Chem
50	By watertight door control	5 lbs	ABC Dry Chem
54	Lower Engine Room Aft Stbd- by water tight door	5 lbs	ABC Dry Chem
56	Lower Engine Room Fwd Stbd	5 lbs	ABC Dry Chem
57	Lower Engine Room Fwd Port	5 lbs	ABC Dry Chem
60	CO2 Room	5 lbs	ABC Dry Chem
74	Flight Deck Locker	20 lbs	ABC Dry Chem

5. Add Item 14.0 Power System Distribution to the Specification:

At Item 14.0 of the Specification, Insert:

14.0 Power Distribution Systems

14.1 STEERING PUMPS ELECTRIC MOTORS SURVEY

14.1.A Identification

14.1.A.1.1 The Steering Pump Electric Motors require a 5-year survey inspection by TCMS.

14.1.A.1.2 The inspection must include disassembly of the motor, cleaning and inspection of the windings, inspection of the bearings, changing the bearing oil, megger testing of the windings, reassembly and reinstallation.

14.1.B References

14.1.B.1 Equipment Data

14.1.B.1.1 Electric Motors:

a) Scott (Belfast) Motor Frame C234

b) 12 BHP, 440V, 19.2 A

c) 690 RPM, 3PH, Delta, Class E insulation

d) Port Unit Machine No. 276020

e) Starboard Unit Machine No. 276019

14.1.B.2 Drawings

14.1.B.2.1 All Drawings are listed in the General Notes.

14.1.B.3 Regulations and Standards

14.1.B.3.1 The following Standards and Regulations apply to work carried out in this section; The Contractor must ensure all work completed in this section meets these Standards and Regulations as well as any other pertinent Federal/Territorial Regulation or Standard:

FSSM Procedures	Title	Included Yes/No
Publications		
Standards		
TP127E	Ships Electrical Standards	No
Regulations		

14.1.C Statement of Work

14.1.C.1 General

14.1.C.1.1 The Contractor must co-ordinate the work in this specification with work in section 12 of this statement of work.

14.1.C.1.2 All fittings on the steering gear motors are British.

14.1.C.1.3 The Contractor must measure and record the alignment of the Motor and Pump prior to disassembly and provide the TA with the as found alignment measurements prior to the final alignment of the overhauled motors. The alignment must be done by laser tool.

14.1.C.1.4 The Contractor must drain the bearing oil reservoirs, release and remove the steering pumps electric motors for overhaul. The motor stator may remain in place during this inspection to allow for easier alignment of the motor.

14.1.C.1.5 The overhaul must consist of opening, cleaning and inspection, measurements and reassembly. Repairs outside of this scope will be considered extra work and must be approved by the TA through the PWGSC 1379 form prior to the repairs taking place.

14.1.C.1.6 The Contractor must measure and inspect the shaft and bearings. Condition reports of each motor including measurements of bearings, winding air gaps, shaft end play, and general condition are to be provided to the TA before reassembly.

14.1.C.1.7 The Contractors must degrease the electric winding using an electrical cleaning solvent suitable for Class E insulation machines.

14.1.C.1.8 The Contractor must megger the stator field winding at 1000VDC. Results must be included in the final report.

14.1.C.1.9 After approval from TCMS and the TA, the contractor must reassemble the motor and bearings, and couple it to the pump. Alignment of the motor and pump must be completed using a calibrated laser alignment tool.

14.1.C.1.10 The Contractor must refill the bearing oil reservoirs to working levels using GSM Turboflow R&O 68 oil prior to starting the motors.

14.1.D Proof of Performance

14.1.D.1 Inspection Points

14.1.D.1.1 The Contractor must afford the TA and TCMS the opportunity to inspect the cleaned disassembled motors prior to reassembly.

14.1.D.1.2 The Contractor must afford the IA the opportunity to witness the lazer alignment of the steering pump motors.

14.1.D.2 Testing/Trials

14.1.D.2.1 The Contractor must perform a 2 hour operational run-in with motor bearing and winding casing temperatures measured and recorded every 15 minutes on each steering motor.

14.1.D.3 Certification – Not Used

14.1.D.4 Documentation

14.1.D.4.1 The Contractor must provide the TA with the following documents:

a) The as found motors alignment measurements;

b) The condition report of the motor upon disassembly;

c) Megger readings;

d) Final laser alignment measurements;

e) Operational run-in reccords with temperature readings and observations.

f) List of components renewed, if applicable.

6. Revise ANNEX H – Appendix 1 - Pricing Data Sheet - to include additional work.

Attached as separate document**.**

7. Provide Document "Crew's mess underlay":

Attached as separate document**.**

ALL OTHER TERMS AND CONDITIONS REMAIN UNCHANGED

ANNEX H – Appendix 1 - PRICING DATA SHEET F2599-195010 rev June 18, 2019

For completion of the Pricing Data Sheet, the Bidder must price all lines as detailed below. The line for the Total Cost of each Spec Item must include each of the detailed items listed, as well as any and all costs associated with completing the full requirement of the Spec Item.

Company name:			Griffon Alongside Refit 2019					
Spec #	Spec Ref #	Description	Total Hours	Total Labour Cost ($)	Total Material Cost ($)	Total FSR & Sub-Contractor Cost ($)	Total Firm Price	Unit Cost ($)
S1.0		**Services**						
	S1.1	General						
	S1.8	Worksite Inspections						
	S1.9	Fire Protection						
		Total Cost - Spec S1.0 - Services						
10		**Safety and Security**						
	10.1	Bilge Cleaning						
	10.1.C.1	Initial Bilge Cleaning						
	10.1.C.1.4	Removal and disposal of oily waste - 20m^3						
	10.1.C.1.4	Removal and disposal of oily waste - Unit Price						$ _____ /m^3
	10.1.C.1.6	OPTIONAL Second bilge cleaning						
	10.1.C.2	Cargo Hold Sludge Tank and Bilge Wells						
	10.1.C.2.1	Removal and disposal of oily water waste - 1m^3						
	10.1.C.2.1	Removal and disposal of oily water waste - Unit Price						$ _____ /m^3
	10.1.C.2.1	Removal and disposal of solid oily waste - 0.5m^3						
	10.1.C.2.1	Removal and disposal of solid oily waste - Unit Price						$ _____ /m^3
	10.1.C.2.2	Removal and disposal of oily water - 200L						
	10.1.C.2.2	Removal and disposal of oily water - Unit Price						$ _____ /ltr.
	10.1.C.2.2	Removal and disposal of solid oily waste - 20L						
	10.1.C.2.2	Removal and disposal of solid oily waste - Unit Price						$ _____ /ltr.
	10.2	Sprinkler Tank Survey						
	10.2.C.3.2	Internal Coating - 30ft^2						
	10.2.C.3.2	Internal coating - Unit Price						$ _____ /ft^2
	10.3	Fire System Annual Inpsection						
	10.3.C.1.6	Hydrostatic Testing of fire extinguishers						
	10.3.C.3	ABS Compliance Survey						
		Total Cost - Spec 10 - Safety and Security						
11		**Hull and Related Structures**						
	11.1	Bridge Windows						
	11.1.C.3.5	Replacement of wood trim/melamin - 34m^2						
	11.1.C.3.5	Per square meter unit cost for wood/melamine trim						$ _____ /m^2
	11.2	Upper Deck Pentration Repair						
	11.3	Cabin Carpeting Replacement						
	11.4	Hull Frame Repair						
		Total Cost - Spec 11 - Hull and Related Structures						
12		**Propulsion and Manuevering**						
	12.1	Main Steering Gear Pumps Survey						
	12.1.C.2.2	MMH Marine FSR Allowance				$ 15,000.00		
	12.2	Telemotor System Survey						
		Total Cost - Spec 12 - Propulsion and Manuevering						
14		**Power Distribution Systems**						
	14.1	Steering Pumps Electric Motors Survey						
		Total Cost - Spec 14 - Power Distribution Systems						
16		**Domestic Systems**						
	16.1	Annual Refrigeration and HVAC Maintenance						
	16.2	Machinery Control Room HVAC System Repair						
	16.2.C.3	Bulkhead Transit Installation						
	16.2.C.4	System Modification and Repairs						
		Total Cost - Spec 16 - Domestic Systems						
17		**Deck Equipment/Ship Support Systems**						
	17.1	Arva Buoy Crane 5 Years Survey						
	17.1.C.1.2	Arva FSR Allowance				$ 25,000.00		
	17.1.C.4.5	NDT Weld Inspection - 200 ft						
	17.1.C.4.5	NDT weld inspection - Unit price						$ _____ /ft
	17.2	Barge Davit Survey						
	17.2.C.1.3	Palfinger FSR Allowance				$ 25,000.00		
	17.2.C.3.5	NDT Weld Inspection - 50 ft						
	17.2.C.3.5	NDT weld inspection - Unit price						$ _____ /ft
		Total Cost - Spec 17 - Deck Equipment/Ship Support Systems						
			Total					

Transfer this amount under Annex H, Table H1.