

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 0A1 / Noyau 0A1
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 Construction, Refit and Related
Services/Construction navale, Radoubs et services
connexes
11 Laurier St. / 11, rue Laurier
6C2, Place du Portage
Gatineau
Québec
K1A 0S5

Title - Sujet THRUSTERS CONTROL SYS. REPLACEMENT	
Solicitation No. - N° de l'invitation F2599-135057/A	Amendment No. - N° modif. 003
Client Reference No. - N° de référence du client F2599-135057	Date 2014-04-17
GETS Reference No. - N° de référence de SEAG PW-\$\$MC-024-24364	
File No. - N° de dossier 024mc.F2599-135057	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2014-05-06	
F.O.B. - F.A.B. Plant-Usine: <input type="checkbox"/> Destination: <input type="checkbox"/> Other-Autre: <input type="checkbox"/>	
Address Enquiries to: - Adresser toutes questions à: Pilon(MC DIV), Chantal	Buyer Id - Id de l'acheteur 024mc
Telephone No. - N° de téléphone (819) 956-4308 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction: See herein	

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

Amendment 3:

This amendment is raised to extend the closing date of the RFP to May 6th 2014, extend the work period, add an additional vessel viewing and bidders' conference, answer questions from potential bidders and provide revisions to the Statement of Work (SOW).

A. RFP AND CONTRACT CHANGES**CHANGE #1:**

DELETE THE PART 1 - GENERAL INFORMATION, 2. SUMMARY

6. The Work must commence on September 3, 2014 and be completed by October 22, 2014.

REPLACE WITH:

The Work will be completed in two parts. Part 1 includes the design, the FATs and the delivery of all deliverables attached to the Part 1 in accordance with the SOW. Part 1 must be completed and accepted by Canada by November 2014. Part 2 includes the installation, the test and trials, training and any other requirement required by the SOW. Part 2 must be completed and accepted by Canada within the work period for the CCGS Samuel Risley of Fall 2015.

CHANGE #2:

DELETE THE PART 2 - BIDDER INSTRUCTIONS, 6. BIDDERS' CONFERENCE

1. A bidders' conference will be held in Sarnia, Ontario at 520 Exmouth Street **on March 25, 2014**. The conference will begin at 8:30am, in room 117. The scope of the requirement outlined in the bid solicitation will be reviewed during the conference and questions will be answered. It is recommended that bidders who intend to submit a bid attend or send a representative.

2. Bidders are requested to communicate with the Contracting Authority before the conference to confirm attendance. Bidders should provide, in writing, to the Contracting Authority, the names of the person(s) who will be attending and a list of issues they wish to table at least **five (5) working days** before the scheduled conference.

3. Any clarifications or changes to the bid solicitation resulting from the bidders' conference will be included as an amendment to the bid solicitation. Bidders who do not attend will not be precluded from submitting a bid.

REPLACE WITH:

1. A bidders' conference will be held in Sarnia, Ontario at 520 Exmouth Street **on March 25, 2014**. An additional conference will be held on **April 23, 2014 in Sault Ste. Marie, Ontario**. The conference of March 25 will begin at 8:30am, in room 117. Bidders must contact the Contracting Authority by **April 21, 2014** to get the time and location **for the conference of April 23**. The scope of the requirement outlined in the bid solicitation will be reviewed during the conference and questions will be answered. It is recommended that bidders who intend to submit a bid attend or send a representative.

2. Bidders are requested to communicate with the Contracting Authority before the conference to confirm attendance. Bidders should provide, in writing, to the Contracting Authority, the names of the person(s) who will be attending and a list of issues they wish to table at least **twenty-four (24) hours** before the scheduled conference.

3. Any clarifications or changes to the bid solicitation resulting from the bidders' conference will be included as an amendment to the bid solicitation. Bidders who do not attend will not be precluded from submitting a bid.

CHANGE #3:**DELETE THE PART 2 - BIDDER INSTRUCTIONS, 7. MANDATORY SITE VISIT - VESSEL**

It is mandatory that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for site visit to be held on **March 25** at 11:30am in Sarnia, Ontario at the Government dock. Bidders must communicate with the Contracting Authority no later than **five (5) working days** before the scheduled visit to confirm attendance and provide the names of the person(s) who will attend. Bidders will be required to sign an attendance form. Bidders should confirm in their bids that they have attended the site visit. Bidders who do not attend or send a representative will not be given an alternative appointment and their bids will be rejected as non-compliant. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

REPLACE WITH:

It is mandatory that the Bidder or a representative of the Bidder visit the work site. Arrangements have been made for site visit to be held on **March 25** at 11:30am in Sarnia, Ontario at the Government dock. An additional vessel viewing will be held on **April 23** in Sault Ste. Marie, Ontario. The vessel viewing of April 23 will be held right after the Bidders' conference. For the second viewing, Bidders must communicate with the Contracting Authority no later than **24 hours** prior to the scheduled visit to confirm attendance and provide the names of the person(s) who will attend. Bidders will be required to sign an attendance form. Bidders should confirm in their bids that they have attended the site visit. Bidders who do not attend or send a representative will not be given an alternative appointment and their bids will be rejected as non-compliant. Any clarifications or changes to the bid solicitation resulting from the site visit will be included as an amendment to the bid solicitation.

CHANGE #4:

DELETE THE PART 2 - BIDDER INSTRUCTION, 8. WORK PERIOD - MARINE, 1. WORK MUST COMMENCE AND BE COMPLETED AS FOLLOWS:

Commence: September 3, 2014

Complete: October 22, 2014

REPLACE WITH:

The Work will be completed in two parts. Part 1 includes the design, the FATs and the delivery of all deliverables attached to the Part 1 in accordance with the SOW. Part 1 must be completed and accepted by Canada by November 2014. Part 2 includes the installation, the test and trials, training and any other requirement required by the SOW. Part 2 must be completed and accepted by Canada within the work period for the CCGS Samuel Risley of Fall 2015.

CHANGE #5:

ADD TO THE PART 6 - FINANCIAL AND OTHER REQUIREMENTS

3. Financial Security

If awarded a contract as a result of the bid solicitation, the Contractor will be required to provide the Contracting Authority with financial security in accordance with the Financial Security Requirement specified in *Part 7 - Resulting Contract Clauses, Article 1.1.*

CHANGE #6:

ADD TO THE PART 7 - RESULTING CONTRACT CLAUSES, 1. REQUIREMENT

1.1 Financial Security Requirement

1.1.1 Financial Security

1. The Contractor must provide the Contracting Authority with financial security within seven (7) calendar days after the date of contract award. The financial security must be in the form of a security deposit as defined in clause E0008C in the amount of five (5) percent of the Contract Price for the entire contract period, including any extension and warranty period.

2. If, for any reason, Canada does not receive the security deposit in the amount set out above within the specified period, the Contractor will be in default. Canada may, at its discretion, terminate the Contract for default pursuant to the Contract default provision.

3. If the security deposit is in the form of government guaranteed bonds with coupons, all coupons that are unmatured at the time the security deposit is provided must be attached to the bonds. The Contractor must provide written instructions concerning the action to be taken with respect to coupons that will mature while the bonds are pledged as security, when such coupons are in excess of the security deposit requirement.

4. If the security deposit is in the form of a bill of exchange, Canada will deposit the bill of exchange in an open account in the Consolidated Revenue Fund. Bills of exchange that are deposited to the credit of the Consolidated Revenue Fund will bear simple interest, calculated on the basis of the rates which are in effect during the period the deposit is held.

These rates are published monthly by the Department of Finance and are set to be equal to the average yield on 90-day Treasury Bills, less 1/8 of 1 percent. Interest will be paid annually or, when the security deposit is returned to the Contractor, if earlier. The Contractor may, however, request Canada to hold and not cash the bill of exchange, in which case no interest will become payable.

5. Canada may convert the security deposit to the use of Canada if any circumstance exists which would entitle Canada to terminate the Contract for default, but any such conversion will not constitute termination of the Contract.

6. When Canada so converts the security deposit:

a) the proceeds will be used by Canada to complete the Work according to the conditions of the Contract, to the nearest extent that it is feasible to do so and any balance left will be returned to the Contractor on completion of the warranty period; and

b) if Canada enters into a contract to have the Work completed, the Contractor will:

i. be considered to have irrevocably abandoned the Work; and

ii. remain liable for the excess cost of completing the Work if the amount of the security deposit is not sufficient for such purpose. "Excess cost" means any amount over and above the amount of the Contract Price remaining unpaid together with the amount of the security deposit.

7. If Canada does not convert the security deposit to the use of Canada before completion of the entire contract period, including any extension and warranty period, Canada will return the security deposit to the Contractor within a reasonable time after such date.

8. If Canada converts the security deposit for reasons other than bankruptcy, the financial security must be reestablished to the level of the amount stated above so that this amount is continued and available until completion of the entire contract period, including any extension and warranty period.

1.1.2 SACC Manual Clause

E0008C, 2012-07-16, Security Deposit Definition

CHANGE #7:

DELETE THE PART 7 - RESULTING CONTRACT CLAUSES, 2.1 GENERAL CONDITIONS

2030 (2014-03-01), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

Warranty:

Section 22 "Warranty" of the General Conditions 2030 subsection 1, is hereby deleted and the following substituted therefor:

Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any other provision of the Contract or any condition, warranty or provision imposed by law, the Contractor warrants that, for 1500 running hours in the aggregate or 12 months, whichever comes first, the Work will be free from all defects in design, material or workmanship, and will conform to the requirements of the Contract. The Contractor at the request of Canada must replace, repair or correct, at its choice and at its expense all defective work or all work that are not inline with the contractual requirements. The warranty period begins on the date of delivery, or if acceptance takes place at a later date, the date of acceptance. With respect to Government Property not supplied by the Contractor, the Contractor's warranty will extend only to its proper incorporation into the Work.

See **Annex "C"** for Warranty Procedures and Warranty Claim form.

REPLACE WITH:

2030 (2014-03-01), General Conditions - Higher Complexity - Goods, apply to and form part of the Contract.

Warranty:

Section 22 "Warranty" of the General Conditions 2030 subsection 1, is hereby deleted and the following substituted therefor:

The warranty period will begin once the installation and all of the tests and trials are complete and accepted by Canada.

Despite inspection and acceptance of the Work by or on behalf of Canada and without restricting any other provision of the Contract or any condition, warranty or provision imposed by law, the Contractor warrants that, for 1500 running hours in the aggregate or 12 months, whichever comes first, the Work will be free from all defects in design, material or workmanship, and will conform to the requirements of the Contract. The Contractor at the request of Canada must replace, repair or correct, at its choice and at its expense all defective work or all work that are not inline with the contractual requirements. The warranty period begins on the date of delivery, or if acceptance takes place at a later date, the date of acceptance. With respect to Government Property not supplied by the Contractor, the Contractor's warranty will extend only to its proper incorporation into the Work.

See **Annex "C"** for Warranty Procedures and Warranty Claim form.

CHANGE #8:

DELETE THE PART 7 - RESULTING CONTRACT CLAUSES, 4.1 WORK PERIOD - MARINE, 1. WORK MUST COMMENCE AND BE COMPLETED AS FOLLOWS:

Commence: September 3, 2014

Complete October 22, 2014

REPLACE WITH:

The Work will be completed in two parts. Part 1 includes the design, the FATs and the delivery of all deliverables attached to the Part 1 in accordance with the SOW. Part 1 must be completed and accepted by Canada by November 2014. Part 2 includes the installation, the test and trials, training and any other requirement required by the SOW. Part 2 must be completed and accepted by Canada within the work period for the CCGS Samuel Risley of Fall 2015.

CHANGE #9:

DELETE THE PART 7 - RESULTING CONTACT CLAUSE, 6.2 PAYMENT FOR FUELS, OILS AND LUBRICANTS

The Contractor is responsible for the supply and cost of all fuel, lubricating oil, hydraulic oil and other lubricants sufficient for fully charging all systems as required for operating the machinery and other equipment and for performing all tests and trials.

CHANGE #10:

DELETE THE PART 7 - RESULTING CONTACT CLAUSE, 6.6 SCHEDULE OF MILESTONES

The schedule of milestones for which payments will be made in accordance with the Contract is as follows:

Milestone No.	Description or deliverable(s)	%	Firm Amount
A	Drawings complete and accepted by Canada	5	\$
B	Systems and other components received and accepted by Canada	20	\$
C	Installation of the various systems and components complete and accepted by Canada	20	\$
D	Training sessions completed and accepted by Canada.	5	\$

E	All test and trials successfully completed and accepted by Canada and all deliverables delivered and accepted by Canada.	45	\$
F	End of Warranty Period, final acceptance.	5	\$
			\$

REPLACE WITH:

The schedule of milestones for which payments will be made in accordance with the Contract is as follows:

Milestone No.	Description or deliverable(s)	%	Firm Amount
A	Part 1: Drawings complete and accepted by Canada; FAT completed and accepted by Canada; Systems and other components received and accepted by Canada; All deliverables related to Part 1 delivered and accepted by Canada.	65	\$
B	Part 2: Installation of the various systems and components complete and accepted by Canada, All test and trials successfully completed and accepted by Canada, training sessions completed and accepted by Canada and all deliverables related to Part 2 delivered and accepted by Canada.	35	\$
			\$

B. QUESTIONS AND ANSWERS

1. Request for the electrical diagrams of the Steering gearings indicating the follow-up control demand signals are and how the station in service control takes place.

PWGSC Comment: Electrical diagrams were sent to participants of the bidders' conference and vessel viewing.

CCG Comment: The Rudder control integration sheet 9 & 10 from - drawing #XCA-278-077-BC in the joystick system already supplied in the CD provided at the Bidders' conference. Also details can be found on the Wargner system manual sent already today to your office.

2. Request for the documentation (system layout and a I/O list) of the Noris Norimos 3000 system.

PWGSC Comment: System layout and I/O list were sent to participants of the bidders' conference and vessel viewing.

3. Shaft diameter in way of the existing torque metering equipment?

CCG's response: 270 mm

4. Amount of SAB NIFE 100 Series Battery Chargers/Rectifiers fitted and replacement?

CCG's response: There are two (2) chargers/rectifiers, one per side, with their respective battery bank. Both systems, chargers and batteries, need to be replaced.

5. TCMS Approved Classification Society - Engaging a TCMS approved classification society is the responsibility of the Contractor. The cost must be included by the Bidder in its financial bid.

6. Mandatory Requirement - The CA indicated that all requirements with word "must", "shall", "will", must be met. Bids not meeting one or more mandatory requirement will be automatically rejected. It is important before bid closing that Bidders confirm compliance.

7. Language requirement for the manuals and the training

CCG's response: The operating and maintenance manuals are to be provided in English but the Contractor must give rights to Canada to get them translated as required. Training manuals must be provided in both official languages but the training can be provided in English only.

8. 1.7 Flexible, Adaptable and Open Architecture - 1.7.2. The new system must have the capacity to expand to allow for future additional functionalities listed below for VII. Dynamic Positioning. Please confirm or clarify if DP must be upgradeable to or ready for DP operations

CCG's response: The system must be upgradeable to integrate a Dynamic Positioning system. If a DP system is installed in the future, it will be of low redundancy type.

9. Technical Criteria - Bid Evaluation - The CA confirmed that the Technical bids will be assessed against the technical evaluation criteria as detailed in the RFP, Part 4, Article 1.1.1 – Mandatory Technical Criteria. Bidders must provide with their bid, sufficient information to permit evaluation of those mandatory technical criteria. Bidders must come forward before bid closing with any requirement they can't meet.

Solicitation No. - N° de l'invitation

F2599-135057/A

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

F2599-135057

Amd. No. - N° de la modif.

003

File No. - N° du dossier

024mcF2599-135057

Buyer ID - Id de l'acheteur

024mc

CCC No./N° CCC - FMS No/ N° VME

Additional comment from PWGSC: Where information is not clear, Canada may but is not obliged to request clarification and bidders can't change the bid information.

Before acceptance of the Work by Canada and before payment of the attached Milestone is approved by the CA, the Contractor must demonstrate that all mandatory criteria as identified in the TSOR have been met. This also applied for the overall mandatory contract requirement.

10. The governors designation numbers (complete model number, and serial)?

CCG's response:

Make: Woodward

Model: 723

Serial #'s:

#1 ME: 11936256

#2 ME: 11936253

#3 ME: 11936255

#4 ME: 11936254

11. The shaft diameters of engine output to gearbox and gear box output to propeller?

CCG's response: Input shaft to gearbox from engines vulkan couplings: 140mm diameter; Output shaft from gearbox to intermediate shaft: 315mm diameter

The torque metering is fitted to the intermediate shaft and not the gearbox output shaft. The gearbox output shaft is 315mm and is flanged to the intermediate shaft 270mm.

12. Can you also provide actuator's designation numbers?

CCG's response:

Make: Woodward

Model: EGB-29P

Serial #'s:

#1 ME: 2042943

#2 ME: 2112126

#3 ME: 2042942

#4 ME: 2042945

C. SOW REVISIONS *(these revisions will be included in the SOW Revision 2 that will be published with the resulting contract)*

SOW Article 1.17.10.2

Replace with: In addition the Contractor must ensure and provide Class certification that engine mounted fuel actuators and all other components and assemblies of components operate satisfactorily when subjected to repeated shock loads of ± 4 G vertical and ± 4 G horizontal, when tested according to IACS E10.

SOW Article 1.3.2.2

Replace with: The ASEA joystick system must be removed but the wheelhouse aft control station must retain the capacity of controlling the propellers, fwd and aft thruster and independent control of the rudders.

SOW Article 1.8.5

Replace with: The Contractor must grant to the CCG programming rights so that CCG trained and authorised personnel may freely and without restriction make adjustments to the operating conditions and foreground program changes, including installation of OEM software changes, installing and removing channels, changing graphic displays, exchanging channels, adjusting set points and alarm operating parameters. User and senior shipboard user accessible data, logic, and functions must be password protected for access and the software management system must automatically track and record changes.

SOW Article 1.7.1

Replace with: The new systems must integrate the new and retained systems. The new system must be capable of interfacing with a modern steering control and adaptive auto-pilot system.

ALL OTHER TERMS AND CONDITIONS REMAINS THE SAME.