

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. 005
Client Reference No. - N° de référence du client F2599-135057		Date 2014-05-09
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 2014-05-13		Time Zone Fuseau horaire Eastern Daylight Saving Time EDT
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 5:

This amendment is raised to confirm work period and delivery location, change the insurance requirement, change bid instructions to accept bids via facsimile and answer questions from potential bidders.

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

DELETE THE PART 1 - GENERAL INFORMATION, 2. SUMMARY

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.

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 to the CCG Base Parry Sound ON at 28 Waubeek street. 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 start on September 1, 2015 and be completed and accepted by Canada within eight (8) weeks of the start date.

CHANGE #2:

DELETE THE PART 2 - BIDDER INSTRUCTION, 8. WORK PERIOD - MARINE, 1.

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.

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 to the CCG Base Parry Sound ON at 28 Waubeek street. 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 start on September 1, 2015 and be completed and accepted by Canada within eight (8) weeks of the start date.

CHANGE #3:

DELETE THE PART 7 - RESULTING CONTRACT CLAUSES, 4.1 WORK PERIOD - MARINE, 1.

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.

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 to the CCG Base Parry Sound ON at 28 Waubeek street. 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 start on September 1, 2015 and be completed and accepted by Canada within eight (8) weeks of the start date.

CHANGE #4:

DELETE PART 2 - BIDDER INSTRUCTIONS, 2. SUBMISSION OF BIDS

Due to the nature of the bid solicitation, bids transmitted by facsimile to PWGSC will not be accepted.

CHANGE #5:**DELETE PART 3 - BID PREPARATION INSTRUCTIONS, 1. BID PREPARATION INSTRUCTIONS**

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

- Section I - Technical Bid (five (5) hard copies and five (5) soft copies on CDs)
- Section II - Financial Bid (one (1) hard copy and one (1) soft copy on CD)
- Section III - Certifications (one (1) hard copy and one (1) soft copy on CD)

Two (2) packages must be provided with the bid. The first package should include four (4) hard and four (4) soft copies of the Technical Bid, Section I. The other package should include all Sections as requested above.

If there is a discrepancy between the wording of the soft copy and the hard copy, the wording of the hard copy will have priority over the wording of the soft copy.

REPLACE WITH:

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

- Section I - Technical Bid (one (1) hard copy)
- Section II - Financial Bid (one (1) hard copy)
- Section III - Certifications (one (1) hard copy)

CHANGE #6:**DELETE PART 7 - RESULTING CONTRACT CLAUSES, 11.1 COMMERCIAL GENERAL LIABILITY INSURANCE**

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$2,000,000 per accident or occurrence and in the annual aggregate.

2. The Commercial General Liability policy must include the following:

a) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.

b) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.

c) Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.

d) Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.

e) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

f) Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.

g) Employees and, if applicable, Volunteers must be included as Additional Insured.

h) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)

i) Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.

j) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.

k) If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.

l) Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.

m), n), o), p), q) not used.

r) Litigation Rights: Pursuant to subsection 5(d) of the Department of Justice Act, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause,

have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8

For other provinces and territories, send to:

Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

REPLACE WITH: (PLEASE NOTE: AS PER RFP, PART 6 - FINANCIAL AND OTHER REQUIREMENTS, 2. INSURANCE REQUIREMENTS, THE LETTER OF THE INSURANCE BROKER IS NOT REQUIRED AT BID CLOSING. THE CA WILL PROVIDE ADDITIONAL TIME TO GET LETTER PRIOR TO CONTRACT AWARD.)

1. The Contractor must obtain Commercial General Liability Insurance, and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$10,000,000 per accident or occurrence and not less than \$20,000,000 in the annual aggregate.

2. The Commercial General Liability Insurance policy must include the following:

a) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada should read as follows: Canada, as represented by Public Works and Government Services Canada.

b) Bodily Injury and Property Damage to third parties arising out of the operations of the Contractor.

c) Products and Completed Operations: Coverage for bodily injury or property damage arising out of goods or products manufactured, sold, handled, or distributed by the Contractor and/or arising out of operations that have been completed by the Contractor.

d) Personal Injury: While not limited to, the coverage must include Violation of Privacy, Libel and Slander, False Arrest, Detention or Imprisonment and Defamation of Character.

e) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

f) Blanket Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.

g) Employees and, if applicable, Volunteers must be included as Additional Insured.

h) Employers' Liability (or confirmation that all employees are covered by Worker's compensation (WSIB) or similar program)

i) Broad Form Property Damage including Completed Operations: Expands the Property Damage coverage to include certain losses that would otherwise be excluded by the standard care, custody or control exclusion found in a standard policy.

j) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of policy cancellation.

k) If the policy is written on a claims-made basis, coverage must be in place for a period of at least 12 months after the completion or termination of the Contract.

l) Owners' or Contractors' Protective Liability: Covers the damages that the Contractor becomes legally obligated to pay arising out of the operations of a subcontractor.

m), n), o), p) not used.

q) Sudden and Accidental Pollution Liability (minimum 120 hours): To protect the Contractor for liabilities arising from damages caused by accidental pollution incidents.

r) Litigation Rights: Pursuant to subsection 5(d) of the Department of Justice Act, S.C. 1993, c. J-2, s.1, if a suit is instituted for or against Canada which the Insurer would, but for this clause, have the right to pursue or defend on behalf of Canada as an Additional Named Insured under the insurance policy, the Insurer must promptly contact the Attorney General of Canada to agree on the legal strategies by sending a letter, by registered mail or by courier, with an acknowledgement of receipt.

For the province of Quebec, send to:

Director Business Law Directorate,
Quebec Regional Office (Ottawa),
Department of Justice,
284 Wellington Street, Room SAT-6042,
Ottawa, Ontario, K1A 0H8

For other provinces and territories, send to:

Senior General Counsel,
Civil Litigation Section,
Department of Justice
234 Wellington Street, East Tower
Ottawa, Ontario K1A 0H8

A copy of the letter must be sent to the Contracting Authority. Canada reserves the right to co-defend any action brought against Canada. All expenses incurred by Canada to co-defend such actions will be at Canada's expense. If Canada decides to co-defend any action brought against it, and Canada does not agree to a proposed settlement agreed to by the Contractor's insurer and the plaintiff(s) that would result in the settlement or dismissal of the action against Canada, then Canada will be responsible to the Contractor's insurer for any difference between the proposed settlement amount and the amount finally awarded or paid to the plaintiffs (inclusive of costs and interest) on behalf of Canada.

CHANGE #7:**DELETE PART 7 - RESULTING CONTRACT CLAUSES, 11.2 SHIP REPAIRERS' LIABILITY INSURANCE**

1. The Contractor must obtain Ship Repairer's Liability Insurance and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$10,000,000 per accident or occurrence and in the annual aggregate.

2. The Ship Repairer's Liability insurance must include the following:

a) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada as additional insured should read as follows: Canada, represented by Public Works and Government Services Canada.

b) Waiver of Subrogation Rights: Contractor's Insurer to waive all rights of subrogation against Canada as represented by the Department of Fisheries and Oceans and Public Works and Government Services Canada for any and all loss of or damage to the vessel, however caused.

c) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation.

d) Contractual Liability: The policy must, on a blanket basis or by specific reference to the contract, extend to assumed liabilities with respect to contractual provisions.

e) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

REPLACE WITH: (PLEASE NOTE: AS PER RFP, PART 6 - FINANCIAL AND OTHER REQUIREMENTS, 2. INSURANCE REQUIREMENTS, THE LETTER OF THE INSURANCE BROKER IS NOT REQUIRED AT BID CLOSING. THE CA WILL PROVIDE ADDITIONAL TIME TO GET LETTER PRIOR TO CONTRACT AWARD.)

1. The Contractor must obtain Ship Repairer's Liability Insurance and maintain it in force throughout the duration of the Contract, in an amount usual for a contract of this nature, but for not less than \$10,000,000 per accident or occurrence and not less than \$20,000,000 in the annual aggregate.

2. The Ship Repairer's Liability insurance must include the following:

a) Additional Insured: Canada is added as an additional insured, but only with respect to liability arising out of the Contractor's performance of the Contract. The interest of Canada as additional

insured should read as follows: Canada, represented by Public Works and Government Services Canada.

b) Waiver of Subrogation Rights: Contractor's Insurer to waive all rights of subrogation against Canada as represented by Environment Canada and Public Works and Government Services Canada for any and all loss of or damage to the vessel, however caused.

c) Notice of Cancellation: The Insurer will endeavour to provide the Contracting Authority thirty (30) days written notice of cancellation.

d) Contractual Liability: The policy must, on a blanket basis or by specific reference to the Contract, extend to assumed liabilities with respect to contractual provisions.

e) Cross Liability/Separation of Insureds: Without increasing the limit of liability, the policy must protect all insured parties to the full extent of coverage provided. Further, the policy must apply to each Insured in the same manner and to the same extent as if a separate policy had been issued to each.

CHANGE #8:

DELETE PART 7 - RESULTING CONTRACT CLAUSES, 12. LIMITATION OF CONTRACTOR'S LIABILITY FOR DAMAGES TO CANADA

1. This section applies despite any other provision of the Contract and replaces the section of the general conditions entitled "Liability". Any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees.

2. Whether the claim is based in contract, tort or another cause of action, the Contractor's liability for all damages suffered by Canada caused by the Contractor's performance of or failure to perform the Contract is limited to \$10 million per incident or occurrence to an annual aggregate of \$20 million for losses or damage caused in any one year of carrying out the Contract, each year starting on the date of coming into force of the Contract or its anniversary. This limitation of the Contractor's liability does not apply to:

- a) any infringement of intellectual property rights;
- b) any breach of warranty obligations; or

3. Each Party agrees that it is fully liable for any damages that it causes to any third party in connection with the Contract, regardless of whether the third party makes its claim against Canada or the Contractor. If Canada is required, as a result of joint and several liability, to pay a third party in respect of damages caused by the Contractor, the Contractor must reimburse Canada for that amount.

REPLACE WITH:

1. This section applies despite any other provision of the Contract and replaces the section of the general conditions entitled "Liability". Any reference in this section to damages caused by the Contractor also includes damages caused by its employees, as well as its subcontractors, agents, and representatives, and any of their employees.

2. Whether the claim is based in contract, tort (including negligence), or another cause of action, the Contractor's liability for all damages suffered by Canada caused by the Contractor's performance of or failure to perform the Contract is limited to \$10 million per incident or occurrence to an annual aggregate of \$20 million for losses or damage caused in any one year of carrying out the Contract, each year starting on the date of coming into force of the Contract or its anniversary. This limitation of the Contractor's liability does not apply to:

- a) any infringement of intellectual property rights;
- b) any breach of warranty obligations; or
- c) any liability of Canada to a third party arising from any act or omission of the Contractor in performing the Contract.

3. Each Party agrees that it is fully liable for any damages that it causes to any third party in connection with the Contract, regardless of whether the third party makes its claim against Canada or the Contractor. If Canada is required, as a result of joint and several liability, to pay a third party in respect of damages caused by the Contractor, the Contractor must reimburse Canada for that amount.

4. The Parties agree that nothing herein is intended to limit any insurable interest of the Contractor nor to limit the amounts otherwise recoverable under any insurance policy. The Parties agree that to the extent that the insurance coverage required to be maintained by the Contractor under this Contract or any additional insurance coverage maintained by the Contractor, whichever is greater, is more than the limitations of liability described in subarticle 2., the limitations provided herein are increased accordingly and the Contractor shall be liable for the higher amount to the full extent of the insurance proceeds recovered.

5. If, at any time, the total cumulative liability of the Contractor for losses or damage suffered by Canada caused by the Contractor's performance of or failure to perform the Contract, excluding

liability described under subsection 2 a), b), and c) exceeds \$40 million, either Party may terminate the Contract by giving notice in writing to the other Party and neither Party will make any claim against the other for damages, costs, expected profits or any other such loss arising out of the termination, but no such termination or expiry of the Contract shall reduce or terminate any of the liabilities that have accrued to the effective date of the termination.

6. The date of termination pursuant to this Article, shall be the date specified by Canada in its notice to terminate, or, if the Contractor exercises the right to terminate, in a notice to the Contractor from Canada in response to the Contractor's notice to terminate. The date of termination shall be in Canada's discretion to a maximum of 12 months after service of the original notice to terminate served by either Party pursuant to subarticle 5., above.

7. In the event of a termination under this Article, the Contract will automatically remain in force subject to all of the same terms and conditions until the date of termination and the Contractor agrees that it will be paid in accordance with the applicable provisions as set out in the Basis of Payment, Annex B and that the Contractor's liability remains as specified in subarticles 1. through 4., above.

8. Nothing shall limit Canada's other remedies, including Canada's right to terminate the Contract for default for breach by the Contractor of any of its obligations under this Contract, notwithstanding that the Contractor may have reached any limitation of its liability hereunder.

B. QUESTIONS AND ANSWERS

13. Could we have the part numbers written in front of the actuators?

CCG's response: The Governors are stamped as follows:

Type: EGB P

Part # 8241-003

Serial Numbers already provided

RPM is 500 - 950

14. Joystick controls

a) The entire system is to be removed except for the fwd wheelhouse console controller only, all cabling and control is to be removed

b) Wheelhouse Fwd: The exiting controller is to be reused and integrated into the new joystick control system

c) Wheelhouse Aft: The entire system is to be replaced to new.

d) Wheelhouse wing stations : New controller and new control connected using a plugging portable joystick control panel

The mimic panel : Does CCG want to reuse the old lamp style mimic panel as well as the new the mimic panel displayed on the new VDS.

CCG's response:

a) This has been answered when we revised section 1.3.2.2 so to be sure there is no doubt, The entire joystick system will be removed, however, the Wheelhouse **AFT** control station must retain the capacity of controlling the propellers, FWD and AFT thrusters and independent control of the rudders. Section 2.3.27.12 (viii) will be modified as follow:

vii. A single device or a combination of devices shall be present to control the following equipment; Bow thruster, Stern Thruster, Main propellers and Rudders. Setup shall be permanently mounted into the WHA console.

b) No. We are not looking to retain any of the existing control with respect to the current joystick arrangement.

c) See answer at a).

d) No. There is no requirement to have any form of portable joystick control at the wing consoles. The existing connections for the portable units are to be removed.

The mimic panel : There is no requirement to retain the existing Mimic panel on the control room console. The new propulsion system should provide for the Mimic panel to be replaced with a new control. The existing mimic panel should not be retained. Refer to section 2.3.26.1 for more details.

15. The vessel is currently equipped with mechanical ball-head backup on each of its main engine governors. In our experience, this is a 'normal' and necessary setup for an ice-breaker to ensure continued operation even with electrical failure. As I read the RFQ, however, there is no stipulation for a ball-head backup and a bidder could propose a less expensive, fully electronic system, and be fully compliant. For clarification, is it the intention to maintain at least the redundancy that the ship current has or will it be changed as a result of the upcoming modifications?

CCG's response:

See SOW references: 1.6.1, 2.3.12.1, 2.3.14.1.

16. Please provide shaft RPM information.

CCG's response: When the engines are running at maximum 900 RPM, the corresponding Shaft RPM is 200.

17. Request for ASEA Torductor system and Denta Werka slip monitor system manuals

PWGSC's comment: links to manuals were provided to the vessel viewing attendees via email. Contracting Authority must be contacted to get link.

18. The vessel is currently equipped with an electronic governing system that incorporates a redundant "mechanical ballhead back up" which can automatically maintain full and seamless engine operation in event of failure of any of the electrical components within the governing system. This feature is normally standard equipment for ice breaking vessels as it reduces possibility of engine shut down at critical moments during ice escort etc.

Does this current functionality have to be maintained or will you accept a basic all electric actuator with no mechanical backup?

CCG's response: Yes, all functionalities of the existing system have to be maintained.

SOW references: 1.6.1, 2.3.12.1 and 2.3.14.1:

19. It was the opinion of our people from the discussion on the vessel, there was no requirement to have the Rudders controls at the aft station because there were rudder control lever on a separate console just forward of the aft console. Do you require separate rudder controls facing aft on the aft consoles?

CCG's response: Yes, it is required to have an independent control of each rudder at the wheelhouse AFT control station.

SOW reference: 1.3.2.2

The ASEA Joystick system must be removed, but the wheelhouse AFT control station must retain the capacity of controlling the propellers, FWD and AFT thrusters and independent control of rudders.

20. Is it acceptable to have the RPM, Pitch power and direction indicators on a mimic page on a screen or are we required to have separate analogue indicator

CCG's response: There are locations where indicators can be represented on a screen.

SOW references: 2.3.25.3, 2.3.25.4 and 2.3.27.7

21. To change a large number of components in the front consoles will mean the complete top of the console to be removed , will CCGS accept plates to cover the places where items are removed and no equipment will be replaced?

CCG's response: All console top at each control station must be replaced and the configuration of the new and retained equipment must be approved by IA and TA

SOW references: 1.15.1 and 1.15.2

22. Request for the part numbers/model numbers from the dual steering lever and the station/mode selector of the existing Wagner Steering components onboard the Risley.

PWGSC's comment: electronic copy of the manual was provided to the potential bidders via email. The Contracting Authority must be contacted to get the manual.

ALL OTHER TERMS AND CONDITIONS REMAINS THE SAME.