

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

Title - Sujet CCGS HENRY LARSEN-VLE DRYDOCK REFIT	
Solicitation No. - N° de l'invitation F7049-140431/A	Amendment No. - N° modif. 008
Client Reference No. - N° de référence du client F7049-140431	Date 2015-05-14
GETS Reference No. - N° de référence de SEAG PW-\$\$\$MD-027-25097	
File No. - N° de dossier 027md.F7049-140431	CCC No./N° CCC - FMS No./N° VME
Solicitation Closes - L'invitation prend fin at - à 02:00 PM on - le 2015-06-04	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: Haydock(MDDIV), Mark	Buyer Id - Id de l'acheteur 027md
Telephone No. - N° de téléphone (819) 956-0645 ()	FAX No. - N° de FAX () -
Destination - of Goods, Services, and Construction: Destination - des biens, services et construction:	

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

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Solicitation Amendment # 8

This amendment is hereby raised to affect the following:

1. To Publish the Minutes of the Bidders Conference
 2. To make administrative revisions to the Solicitation
 3. To provide bidders with Updated Annex H, Appendix 1 - Table 1 in Excel format
-

Minutes of the Bidders Conference:

CCGS Henry Larsen Refit 2015
PWGSC File Number: F7049-140431
Bidder Conference
10 AM, Friday May 8, 2015
280 Southside Rd, St. John's NL. Gilbert Board Room

INTRODUCTIONS:

Attendees:

Allen Bilodeau	PWGSC
Mark Haydock	PWGSC
Dean Clarke	CCG
Robert Sampson	CCG
Chad McGrath	CCG
Mike Chaisson	CCG
Cameron Bremner	CCG
W. Derraugh	CCG
Richard Therrien	Davie Yards
Pierre-Andre Julien	Davie Yards
Serge Desrosiers	Verreault Navigation
Annie Truchon	Verreault Navigation
Luc Paradis	Verreault Navigation
Mainville Delarosbil	Verreault Navigation
Paul-André Dion	Verreault Navigation
George Penney	New Dock
Sheldon Russell	Siemens

OPENING REMARKS:

Canada welcomed all bidders and appreciated their participation in the process.

The Agenda was reviewed and Part 2 was moved before Part 1 of the Agenda for purposes of Time Management.

Bidders were reminded that when asking questions that they were to reference the specific section of the specification.

Allen Bilodeau was introduced and the rules for asking and responding to questions in English and French were explained.

Change to Agenda Part 2 was advanced to the First section:

PART 2 ANNEX A:

- 1) Review of CCGS Henry Larsen Specifications – Annex A (PWGSC/CCG)
Review

CCG Supplied the following:

CD's with All drawings in Specification. Bidders were notified that there were no new Drawings in CD.

Specification 1:

At 1.2

CCG clarification: The vessel will arrive at the Contractors facilities with approximately 400 cubic meters of fuel onboard. Contractor is to record all transfers of fuel including, time, date, personnel involved, transfer to and from locations, start and stop soundings and duration of transfer. Chief Engineer to be notified 24 hours in advance of all requirements for fuel oil transfers. It shall be the contractor's responsibility to return the vessel to as docked condition.

At 1.7:

CCG clarification: The Contractor must supply the services of four (4) professional mover personnel for 5 working days commencing the next working day after vessel arrival at the Contractor's facilities to assist Canada in De-storing the vessel.

A week prior to the commencement of dock/sea trials and after return of the vessel's operational crew, the Contractor is to supply the services of four (4) professional movers for a period of five (5) working days to assist Canada in re-storing the vessel.

There is no anticipated requirement for the storage of Fuel oil.

At 1.8:

Question was asked that Contractors could not determine what costs would be for regulatory and classification bodies, it was asked that this be removed or an allowance from Canada be provided for these costs.

Answer: Canada to take under advisement and respond in amendment.

Post Meeting Note: Items 2 & 3, Transport Canada or Classification Society Inspections shall be the financial responsibility of CCG.

Specification 2: No Questions

Specification 3: No Questions

Specification 4: No Questions

Specification 5: No Questions

Specification 6: No Questions

Specification 7: No Questions

Specification 8:

At 8.2:

CCG Clarification: Cooling water not to be supplied when vessel shutdown, Specification to be formally amended to reflect change.

At 8.3:

Question was asked with reference to Docking and Custody

Answer: Canada to take under advisement and respond with written answer

Post Meeting Note: Fifth paragraph states “Dry-docking is to take place immediately upon the ship arriving at the shipyard to commence refit.” Delete this statement.

Specification 9: No Questions

Specification 10: No Questions

Post Meeting Note:

CCG Clarification:

Change 10.3.3 to: The Contractor is to bid on 300 linear feet of gouging and 300 linear feet of grinding and a unit cost for each.

Change 103.6 to: The Contractor to quote on 900 bead feet of welding, plus a rate per bead foot for adjustment purposes

Specification 11: No Questions

Specification 12:

At 12.3.3 CCG Clarification:

Lloyds Register Surveyor to be changed to TC/MS inspector .

Specification to be formally amended to reflect change.

At 12.3.4 CCG Clarification:

Specifies NDT. Contractors to allow for the provision of 200 linear feet of X-ray examination and provide a unit cost for each additional 10 linear feet.

Specification to be formally amended to reflect change.

Question : Can methods other than X-Ray be used.

Answer: Yes as long as the Inspector is able to approve the results.

Specification 13:

CCG Clarification:

Bubbler Piping #13.3.3.1 It states that fwd of frame 165 only replace 125 mm sections. We have a doubler on one 300mm elbow due to the end of it blowing out and a doubler on the pipe at one of the nozzles, leaving one to wonder how bad the other sections are. The additional amounts to be replaced would be approx. 12 metres of 300mm pipe, 4- 300 to 125 mm reducers, 4- 90's and 4-45's (both 300 mm).

In the bubbler piping, #13.3.3.8 the hull nozzles in #5 tank have already been blanked.

Specification to be formally amended to reflect change.

At 13.3.3.1

Question was asked who supplies the piping

Awnser: Contractor to supply

Specification 14:

Question: How does Canada wish the FSR part of the Pricing Table to be filled Out

Awnser: Contractor to estimate how many FSR hours are required, the box is strictly for the FSR hours.

Specification 15: No Questions

Specification 16:

CCG mentioned that the Sauna room was not to be taken apart for the Asbestos Removal.

Question: It would have been nice to see the layout of the Asbestos but the bulkheads were closed. Is it possible to have pictures which could provide more clarity

Awnser:Asbestos to be removed as per the Specification, Bridge , Navigation, Deckheads and Bulkheads asbestos to be removed. Pictures will be provided

Specification to be formally amended to reflect change.

Question: In the areas where the asbestos is removed will all bonded asbestos coatings have to be removed.

Awnser: All the insulation and loose items in the work area are to be removed as per 16.3.3

Post Meeting Note: Pictures and Asbestos Report Provided as Attachment to Amendment # 7.

Specification 17:

CCG Clarification:

The first item in the chart #8 Port vent should be 2000 mm not 22000 mm.

Specification to be formally amended to reflect change.

Specification 18: No Questions

Specification 19:

CCG Clarification:

Addition to 19.3.13

The contractor is to change out all of the remote analog indicators as outlined in the attached Tank Sensors Existing Nov 2014.pdf listing in the drawing package. The replacement indicators are to be to industry standard 4-20ma and scaled to the individual tank as per the original indicators. There are a total of 23 indicators. The existing panels and wiring are to remain.

Specification to be formally amended to reflect change.

Specification 20:

CCG Clarification:

In Section 20.3.3 it states that the 14 anodes in the main sea bay have been permanently removed. They are still in place right now. These anodes are to be blanked off.

Specification to be formally amended to reflect change.

Specification 21:

Question was asked: what Canada wanted Contractors to insert at the FSR's in the Pricing Data Sheet.

Answer: At certain specifications Canada has provided an allowance for the FSR's. Canada wants Contractor to insert the estimated FSR hours in the blank space.

Specification 22:

Question: The English and French versions are at odds over whether the tubing and cabling at 22.1.2 is owner supplied or contractor supplied.

Answer: The Owner supplied Equipment and Material is referenced at 22.2.3.1 French specification to be amended to reflect 22.1.2 being owner supplied.

Question:

There is a soft patch near the storage room will it be empty and will the contractors be able to utilize.

Answer: Canada will take it under advisement and will issue a formal reply in a solicitation amendment.

Post Meeting Note:

CCG Clarification: The area will be arranged to facilitate the work.

Question at 22.2.3.1 Table 1. Item 1

Is the Hydraulic Power Unit on a Skid?

Answer: It comes as a standard pack so that it can come through the doors.

Question: Is the Hydraulic Power Unit supplied by the owner?

Answer: Yes as per 22.2.3.1 Table 1. New Components List (Owner Supplied)

Specification 23: No Questions

Specification 24:

CCG Clarification: There is a vertical transit shaft between the two decks which attaches the ICS and it is asbestos free.

Specification 25:

At 25.3.2 Question: Is the Contractor required to remove all insulation in the cabins.

Awnser: Contractor is required to remove and replace around the work area

Question: In the gym and the wallpaper – does CCG want all of the Wallpaper removed and replaced or just in the recessed areas.

Awnser: Clean out the insulation and seal the area in accordance to the regulations.

Do not bid on replacing the wallpaper.

Specification to be formally amended to reflect change.

Post Meeting Note: Any wall paper damaged during the work will be addressed by 1379.

Specification 26: No Questions

Specification 27:

Question: Do the light fixtures come complete

Answer: Yes they do

Post Meeting Note:

At 27.3.5 Change to: In conjunction with the Asbestos Remediation, prior to the deck head panels being reinstalled, contractor shall disconnect the lighting fixtures in each of the spaces listed and replace with Owner supplied fixtures, brackets.

Specifiction28:

Question: Do all of the sections have to removed.

Awnser: Yes

Specification to be formally amended to reflect change.

28.3.1 Question: Is CME doing the work.

Awnser: No CME is strictly supervising the work, 28.3.1 to be amended to capture the clarification

28.3.11 Question: Is the switch GFE or Contractor Supplied

Awnser: As per 28.3.2 it will be GFE

Specification 29:

Question; Will the Workshop space will be empty.

Awnser: Yes it will be.

Post meeting Note:

Loose outfitting items will be removed from the space prior to the start of work by the Crown.

Specification 30: No Questions

Specification 31: No Questions

Specification 32: No Questions

Specification 33:

Question 33.2.1: Do the doors open inwards or outwards

Awnser: All the doors as per Fire Code open outwards
French Specification to be amended to reflect correct version

Specification 34:

34.3.12 Question: Is the existing coating to be used or can it be another coating

Awnser: Canada to take it under advisement and will respond in formal amendment whether an equivalent product is acceptable or whether it must be Royal.

Post Meeting Note: No Change to the Specification

Specification 35: No Questions

Specification 36: No Questions

Specification 37: No Questions

Specification 38: No Questions

Specification 39: No Questions

Specification 40: No Questions

Specification 41: No Questions

Specification 42: No Questions

Specification 43: No Questions

Specification 44:

CCG Clarification 44.3.15: The new power supplies will be supplied with a new CCG supplied 600/220 Volt, single phase enclosed transformer of minimum 4 KVA size.
Specification to be formally amended to reflect change.

44.3.18 Question: What is the plate thickness.

Awnser: Canada to take it under advisement and will respond formally in amendment.

Post Meeting Note: Cover plate material to be 16 gauges SS.

Specification 45:

CCG Clarification 45.3.10: The existing 3 phase power cable from panel EP-501 will be re-used and connected to a contractor supplied 600/230 volt minimum 6KV marine rated single phase enclosed transformer mounted adjacent to the new searchlight power supply.
Specification to be formally amended to reflect change.

Specification 46:

CCG Clarification 46.3.10: The new power supply will be installed and secured in electronics equipment room in way of the removed Ibak searchlight power supplies. Contractor supplied 600/230 volt, minimum

6KV marine rated, single phase enclosed transformer will be mounted adjacent to the new searchlight power supply.

Specification to be formally amended to reflect change.

Specification 47: No Questions

Specification 48:

Question: Where is the Galley Access

Answer: As per 48.3.6

Specification 49: No Questions

Specification 50: No Questions

Specification 51: To be reformatted – no new content to be added.

Specification to be formally amended to reflect change.

Specification 52: No Questions

Specification 53:

Question 53.3.13: Can Contractor install cable other than DRAKA

Answer: Yes any compatible approved cable is permitted

Specification to be formally amended to reflect change.

Question: If Contractor supplies CAT 6 Cable instead of CAT 5e is this acceptable to CCG

Answer: Yes

Specification to be formally amended to reflect change.

Formatting issues noticed with Specification 53

Specification to be formally amended to reflect change.

Specification 54: No Questions

Specification 55: No Questions

Specification 56: No Questions

Specification 57: No Questions

Specification 58: No Questions

Specification 59: No Questions

Specification 60:

CCG Clarification 60.4.2.3: To be amended such that certification will be no more than 90 days from completion of the refit.

Specification to be formally amended to reflect change.

Specification 61:

CCG Clarification 66.4.3.1: To be inserted such that certification will be no more than 90 days from completion of the refit.

Specification to be formally amended to reflect change.

Specification 62: No Questions

Specification 63: No Questions

Specification 64: No Questions

Specification 65: No Questions

Specification 66:

CCG Clarification 66.3.2 – To be deleted

Specification to be formally amended to reflect change.

Post Meeting Note: This work shall be completed prior to the vessel's crew returning prior to dock/sea trials.

Specification 67: No Questions

Specification 68: No Questions

Specification 69:

CCG Clarification – Additional Work to be added

Post Meeting Note:

Insert:

Contractor to repair area in front of Aux Switchboard panel #6 and including area leading towards MCC panels. Approx. 25 ft²

Insert:

Contractor to repair area in front of Motor room entrance. Approx. 15 f

Specification 70: No Questions

Specification 71:

CCG Clarification 71.4.3.2: To be inserted such that certification will be no more than 90 days from completion of the refit.

Specification to be formally amended to reflect change.

Specification 72 and Specification 73:

Post Meeting Note:

Stbd Shaft seal work had been included in the Main Shaft removal item 72.3.12. So at this point that task is included twice in the spec. See specification 73 for detail.

Specification 74: No Questions

Specification 75: No Questions

Specification 76: No Questions

Specification 77: No Questions

Specification 78: No Questions

Specification 79: No Questions

Post Meeting Note:

80, 81 & 82 Deck Renewals

Note: Replacement of scuppers is covered in specification #18 Grey Water Deck Drains, the scuppers are again discussed in these specifications for purposed of clarity.

Specification 80:

CCG Clarification:

80.3.8 Scupper Bells reduce from 27 to 9.

Specification to be formally amended to reflect change.

CCG Clarification:

At 80.3.12 Delete In Its Entirety:

Specification to be formally amended to reflect change.

CCG Clarification to Insert:

80.3.16 Contractor to remove all 4" rubber trim. Upon completion of tile replacement, contractor to supply and install new 4" trim as per original. Contractor to bid on 900 feet of trim.

Specification to be formally amended to reflect change.

Specification 81:

CCG Clarification:

At 81.3.2 Remove reference to main deck and floating floor in this section

Specification to be formally amended to reflect change.

CCG Clarification:

At 81.3.4 Delete In Its Entirety

Specification to be formally amended to reflect change.

CCG Clarification:

At 81.3.7 Scupper Bells reduce from 27 to 13
Specification to be formally amended to reflect change.

CCG Clarification:

At 81.3.9 Remove requirement for 10 sq ft of deck lite.
Specification to be formally amended to reflect change.

CCG Clarification:

Insert: 81.3.16 Contractor to remove all 4" rubber trim. Upon completion of tile replacement, contractor to supply and install new 4" trim as per original. Contractor to bid on 670 feet of trim .
Specification to be formally amended to reflect change.

Specification 82:

CCG Clarification:

At 82.3.2 Remove reference to main deck and floating floor in this section.
Specification to be formally amended to reflect change.

CCG Clarification:

At 82.3.4 Remove this Section regarding Decklite
Specification to be formally amended to reflect change.

CCG Clarification:

At 82.3.7 Scupper Bells reduce from 27 to 6
Specification to be formally amended to reflect change.

CCG Clarification:

At 82.3.9 Remove requirement for 10 sq ft of deck lite.
Specification to be formally amended to reflect change.

CCG Clarification:

At 82.3.15 Insert: Contractor to remove all 4" rubber trim. Upon completion of tile replacement, contractor to supply and install new 4" trim as per original. Contractor to bid on 220 feet of trim.
Specification to be formally amended to reflect change.

Appendix A: No Questions

Appendix B; No questions

Appendix C: No Questions

Appendix D: No Questions

Appendix E: No Questions

Appendix F:

To Amend French Specification: "4 pied lumunaire 2 pied lumunaire" French Specification to be formally amended to reflect change. Rampe to be replaced by lumunaire, and replaced to feet(units).

Appendix G: No Questions

Appendix H: To Amend – Intentionally Blank
Specification to be formally amended to reflect change.

Appendix I: To Amend – Intentionally Blank
Specification to be formally amended to reflect change.

Appendix J: No Questions

Appendix K: No Questions

Appendix L: No Questions

French Annexes to be changed to Appendices'

PART 1:

1) Documents Issued to Bidders:

The following documents have been published:

- A) Invitation to tender
- B) Notice Amendment 1
- C) Sollicitation Amendement 1
- D) Sollicitation Amendement 2
- E) Sollicitation Amendement 3
- f) Sollicitation Amendement 4
- G) Sollicitation Amendement 5
- H) Sollicitation Amendement 6
- I) 6 Win ZIP Électronique Drawing Attachements
- J) CD issued to participants at Bidders Conference which has no new drawings

No Questions

2) Review of Refit to Budget:

A review of the Refit to budget methodology was completed.

Procedures for Completing Annex H, Appendix 2:

- (1) For an item in the CUMULATIVE PRICING SHEET FOR EVALUATION table for which they wish to bid a price, Bidders must enter their proposed Total Firm Price and Cumulative Price for the item. Ten points are assigned to each item on which a bidder has bid.
- (2) Appendix 2 represents the CCG's prioritization of Work to be completed within the budget available, from the highest priority at item 1 to the lowest priority at the last item. Bidders must bid on each item in the table sequentially, that is by leaving no unbid items at items numbered higher in the table. Skipping

an entry of Total Firm Price and Cumulative Price for an item in the sequence will result in the bid being declared non-responsive and disqualified.

(3) A Bidder is requested to insert "\$0.00" for any item for which it does not intend to charge or for an item that is included in other prices provided in the table. Excepting for remaining cell items as identified in 5 below, if the bidder leaves any price blank, or inserts wording other than a price, Canada will treat the price as "\$0.00" for evaluation purposes and may request that a Bidder confirm that the price is, in fact, "\$0.00". No Bidder will be permitted to add or change a price as part of this confirmation. Any bidder who does not confirm that the price for a blank or worded item is "\$0.00" will be declared non-responsive.

(4) Bidders are to sequentially enter their bids in the CUMULATIVE PRICING DATA SHEET, respecting the order of entries, and continue entering their pricing and cumulative pricing for each spec item. Bidders continue entering their pricing/cumulative pricing on the spec items with the intention of getting their bid as close to \$17,000,000 (without exceeding), and no less than \$16,100,000. If the bidder bids a firm Price on all 82 Work Items with a maximum total of 820 points, a total Firm Price less than \$ 16,100,000 will be accepted.

(5) The bidding procedure may result in a list of items bid that is shorter than the list of items identified within the Appendix. Once a bidder has entered their pricing sequentially, the totality of items for which they wish to bid has been reached, and their bid is as within the permitted financial range as stated in (4) above, a bidder must stop entering pricing in Appendix 2. This may result in the lowest numbered items being left blank. In this circumstance only, the remaining blank cells will not be interpreted as a bid to do the work for "\$0.00" but will identify Work that will not be included in the resulting Contract.

(6) Bidders are reminded that the resulting Contract will not permit work not included in the Contractor's bid to be performed during the Contract if it arises, including contracting for it as Unscheduled Work.

(7) At the point where the bidder stops bidding, the cumulative bid price (not exceeding \$17,000,000.00) is to be entered into Annex H1 - Price for Evaluation, Item A Known Work, and the cumulative points associated with the spec item where the bidding stops is to be entered into Annex H1 - Price for Evaluation, Item F CUMULATIVE POINTS.

- Bidders were informed of
 - a. The specifications items presented in Annex H – Appendix 2 are prioritized from most important to least important.
 - b. Bidders were instructed how to fill out Annex H – Appendix 2, and how to transfer Cumulative pricing and cumulative points from Annex H – Appendix 2 to the Evaluation Sheet included in Annex H, section H1.
 - c. Bidders were instructed that they are to enter their pricing for each spec item from the statement of work, into Annex H – Appendix 2 until the bidders cumulative bid price is between \$16.1 million and \$17.0 Million.
 - d. Bidders were reminded that bids below \$16.1 Million will only be accepted if the contractor has bid on all 82 Items
 - e. Revisions to the Evaluation Sheet included in Annex H, section H1 to include cumulative pricing information, and the cumulative points where the bidder stops bidding in Annex H - Appendix 2
 - f. Bidders were instructed that they are only required to include the pricing information for the individual specification items in Annex H – Appendix 1 that are entered in Annex H – Appendix 2.

Question was asked if there was a \$0.00 bid how would that apply

Answer: If a \$0.00 bid was made that represents a bid on the specification.

3) Reminders on the procurement process.

The following comments were made by the PWGSC Contracting Authority:

- a. Bid Closing has been moved June 4, 2015 at 2:00 PM Eastern Standard Time.
- b. Bids are to be submitted to the PWGSC Bid Receiving Unit in Gatineau Quebec – address included on the cover sheet of the solicitation document. This is the only office that can accept the bids for this solicitation.
- c. Bidders were reminded not to submit to any other PWGSC Regional Office other than the address indicated on the cover sheet. Bids submitted to these offices would not be redirected to PWGSC Bid Receiving Unit in Gatineau Quebec.
- d. Bidders were reminded not to send their bids directly to CA.
- e. This is an unmanned refit, however vessel will have to be made habitable for returning crew by May 9, 2016 (including completed work in the Galley, washrooms. And living spaces)

4) Review of the Invitation to Tender (ITT)

- a. Part 1 to 6 Instructions and Procedures (PWGSC)

Part 1: No Questions

Part 2: No Questions

Part 3: No Questions

Part 4: No Questions

Part 5: No Questions

Part 6: No Questions

Part 7 Resulting Contract Clauses (PWGSC)

PWGSC Clarification :

Contracting clause 7.47 subject to revision

Clause to be formally amended IF changed.

Annexes B to J (PWGSC)

Annex B Basis of Payment:

Annex C Federal Contractors Program for Employment Equity - Bid Certification:

Annex D Insurance Requirements:

Annex E Warranty:

Annex F Procedure for Processing Unscheduled Work:

Annex G Quality Control/Inspection:

Annex H Financial Bid Presentation Sheet:

Annex I Vessel Custody:

Annex J Deliverables/Certifications

Annex K Claim For Exchange Rate

NO QUESTIONS

5) Review of deliverables at bid closing ANNEX J (PWGSC)

- Bidders were directed to Annex J, which includes that mandatory deliverable to include with the bid. All these deliverable must be included with the bid to be considered responsive.

PART 3:

Conclusion of Bidders Conference

Administrative revisions to the Solicitation:

1. At Annex A: Specification 1.2

Delete In Its Entirety:

Replace With:

1.2 General Particulars of Vessel

Name:	CCGS Henry Larsen
Type:	Type 1200 Medium Gulf/River Icebreaker,
Ice Classes	Lloyd's Register X100A1 Ice Class 1A Super X LMC Arctic Shipping Pollution Prevention Regulations, Arctic Class 4
Year Built	1987
Voyage Class	Unlimited, beyond 200nm
Builder	Burrard Yarrows Corp, Vancouver, BC

Principal Dimensions:

Length	99.8 meters
Breadth, molded	19.51 meters
Loaded Draft	57.2 meters
Tonnage	6,166.5 GRT, 1756.6 NT

The Larsen is fitted with three Wartsila, VASA 32, V16 cylinder diesel engines, two synchronous propulsion motors, two AC/AC cycloconverters and two 4160-volt 600-horsepower air bubbler compressors.

It is anticipated the vessel at arrival will be 6800 GRT.

The vessel will arrive at the Contractors facilities with approximately 400 cubic meters of fuel onboard. Contractor is to record all transfers of fuel including, time, date, personnel involved, transfer to and from locations, start and stop soundings and duration of transfer. Chief Engineer to be notified 24 hours in advance of all requirements for fuel oil transfers. It shall be the contractor's responsibility to return the vessel to as docked condition.

2. At Annex A: Specification 1.7:

Delete In Its Entirety:

Replace With:

1.7 Storage Space

The Contractor must provide 3000 square feet of secure, environmentally controlled storage space for the ship's equipment. The storage space environment must be maintained at 15 degrees Celsius and at a maximum relative humidity of 70 percent for the duration of the contract period.

The storage space must also contain 5000 square feet of standard seven (7) foot high storage shelving with 5 equally spaced shelves for 3000 square feet and shelving with 3 equally spaced shelves for 2000 square feet.

The Contractor must provide 150 new pallets for the storage of items.

All items must be stored in such a manner so as to be easily accessible for inspection. No items must be stored directly on floors.

The storage space must have one (1) desk with two (2) chairs.

The storage space must be on, or close to, the premises of the Contractor's facility.

The Contractor must provide one (1) three (3) ton truck and driver for 30hrs to assist Canada in de-storing the vessel.

The Contractor must provide one (1) forklift and forklift driver for 30 hours to assist Canada in de-storing the vessel.

The Contractor must supply the services of four (4) professional mover personnel for 5 working days commencing the next working day after vessel arrival at the Contractor's facilities to assist Canada in De-storing the vessel. A week prior to the commencement of dock/sea trials and after return of the vessel's operational crew, the Contractor is to supply the services of four (4) professional movers for a period of five (5) working days to assist Canada in re-storing the vessel.

The Contractor must provide one (1) three (3) ton truck and driver for 30 hours to assist Canada in re-storing the vessel.

The Contractor must provide one (1) forklift and forklift driver for 30 hours to assist Canada in re-storing the vessel.

3. At Annex A, Specification 8.2:

Delete In Its Entirety:

Replace With:

8.2 Services

The Contractor must prevent rat and vermin harborage onboard the vessel for the duration of the contract. The Contractor must remove any rats or vermin from onboard the vessel if they do come onboard during the contract period.

The following services are to be supplied and connected to the vessel in dry dock and afloat during the manned portions of the refit period and disconnected upon leaving. The Contractor is to supply all material to point of onboard connection. The Contractor's quote is to include all craneage/scaffolding

required for connection/disconnection. The Contractor will be responsible for any additional connections required as a result of the ship being shifted between berths and to the dry dock. Global and daily rates are to be quoted.

The bid price is to be broken down by item.

Gangways: The Contractor must supply and erect one gangway complete with safety net in compliance with the Canada Labor Code while the vessel is secured alongside the Contractor's facility. The Contractor must be responsible for the safety of the gangway.

The Contractor must supply and erect gangways in compliance with the Canada Labour Code when the vessel is docked. There must be two separate and independent means of accessing the vessel at all times. Gangways are to be maintained safe and structurally suitable for the passage of ship's crew and workmen as per MOSH regulation, Section 2. Gangways are to be well lit at night. The gangways are to be arranged at opposite ends of the vessel as directed by the Commanding Officer. The Contractor must be responsible for the safety of the gangways.

Potable and non-potable Water: The Bidder must submit a written price quote on a per cubic meter consumption of potable, non- potable, and sea water.

The Contractor must provide and install a calibrated flow meter for each domestic water supply connected to the vessel for the duration of the trials period. Flow meters are to be sized for the service they are intended for. Calibration records for the flow meters must be presented to the Inspection Authority. All flow meters must be read by the Contractor at the beginning and end of the contract period, as well as before and after any vessel movement to or from the fit out wall or the dry dock, in the presence of the Inspection Authority. The following connections will be required to service the vessel:

Fire Main: Water shall be supplied to the vessel's fire main system at a pressure of 550 kPa (80 psi) and be continuous 24 hours per day, every day, using two (2) hoses. The hoses shall be connected to the ship's international shore connection located on the Upper Deck, frame 100 (port and starboard side). A pressure reducing valve with pressure gauge shall be fitted before the shore connection valve on board the ship. The water supply must be connected immediately following the docking of the vessel. There must be no interruption of this supply for the duration of the refit period. Consumption will be on an as-required basis for firefighting and cleaning purposes.

Cooling Water Connections: While the ship is in dry dock, the Contractor is to connect and fit three (3) 38mm (1½") dia. cooling water connection hoses, to the Central Cooling System. One supply hose to be connected to the 1-1/2" SW connection located at the P&S Fuelling Stations, Upper Deck. Another supply hose is to be run between the 1-1/2"- 3-way changeover valve located on the Portside AG1 Room (labeled Dry dock Central Cooling Supply) and the 2-1/2" inlet valve located in way of AG1 Stbd, side. An outlet hose is to be run from the Central Cooling plate coolers outlet piping to overboard in the most convenient location. Pressure to be supplied through a pressure reducing valve with gauge at 350 kPa (50 psi). Cooling Water Hoses are to be removed ashore upon completion of dry docking period.

Potable Fresh Water: Potable water shall be supplied through a fresh water filling line with a pressure reducing valve and pressure gauge at the ship's fresh water filling connection located on the Upper Deck, frame 29, port or stbd side.

Approximately eight (8) cubic meters of fresh water per day shall be provided while crew members are onboard.

Contractor to supply any fresh water used for cleaning, testing or flushing of tanks as required by the specification in addition to the above.

The contractor is to provide test results from within the past month indicating that the water meets provincial drinking water standards before the connection is made to the vessel.

The water supply must be connected immediately prior to the arrival of the crew for trials. There must be no interruption of this supply after connection. The vessel will be consuming an estimated 8,000 liters of potable water per day when crewed. The Contractor must quote on 7 day's supply of this service.

Sewage Connection: A 100mm diameter sewage overboard discharge, located at frame 85 starboard side, requires to have a connection pipe welded to the shell with hose attached on free end to lead sewage away from the ship's side to Contractor's sewage outlet.

For all water lines connected and servicing the vessel, the Contractor must be responsible to take all necessary precautions to ensure that the water lines do not freeze during cold weather. Special attention must be given to the fire main supply line.

Garbage Removal: Garbage containers of 215 cu. ft. (6 m³) minimum capacity shall be provided and used. This includes all sludge and scale from tank cleaning. The Contractor is responsible for provision of suitable containers and any costs associated with waste disposal regulations that may be in place. This will include hazardous materials. The Contractor is to advise of any such provincial or federal regulations or practices at the Pre-Refit Meeting.

Cost of crange and haulage to be included in quotation. Garbage container to be placed in a suitable location agreed upon by the Contractor and the Chief Engineer garbage bin must be provided and located at the ship's gangway. Garbage must be collected from this bin daily while the vessel is crewed.

Oily Bilge Water: Contractor to quote on removing from ship's bilges approximately twenty (20) cubic meters of oil/water mixture. Quote unit cost for each additional cubic meter. For estimation purposes, quote as a mixture of 25% oil, and 75% water. This item is to be adjusted up or down upon proof of invoice. The quantities in this item are for the vessel's requirements and are not to be included with the Contractor's requirements for completion of items in this specification. Contractor to provide identity of firm(s) licensed for pumping and disposal of waste oil. Contractor to supply Contractor to supply disposal receipts for inclusion in the vessels Oil Discharge book.

Protective Floor Covering: Deck Protection: Alleyways throughout the ship including the Wheelhouse and all stairways shall be covered with " (3mm) Masonite panels. The Contractor must complete the installation of the protective floor covering within 48 hours of the vessels arrival at the Contractor's facility.

All edges and joints are to be securely taped down. Any deck coverings damaged during the course of the refit are to be replaced.

Areas to be covered:

Main Deck: starting at frame 30 up to frame 165, both sides including all cross alleyways and cabin entranceways, excluding Galley, Crew's Cafeteria and Pantry area. Total area = 200 sq. m. (2150 sq. ft.).

Upper Deck: starting at frame 121 up to frame 139, both sides and including all cross alleyways and Engineer's Office. Total area = 117 sq. m. (1264 sq. ft.).

Boat Deck: starting at frame 121 to frame 139, both sides and cross alleyways. Total area = 31 sq. m. (336 sq. ft.).

Officers' Deck: starting at frame 121 up to frame 139 both sides and cross alleyway. Total area = 28 sq. m. (305 sq. ft.).

Navigation Bridge Deck: Starting at frame 113 to frame 149 including complete carpeted area of Wheelhouse and passageway to Special Navigation Room. Total area = 100 sq. m. (1100 sq. ft.).

Stairways: Total area = 40 sq. m. (430 sq. ft.).

Cabins: Contractor to quote on covering the decks in five cabins: Chief Engineer, Senior Engineer, Senior Electrician, Chief Officer and Spare Cabin. Total area for cabins = 30 sq. m.

Note: Contractor to quote a unit price per square meter for adjustment purposes.

All deck coverings are to be removed from the ship and taken ashore on completion of work. Contractor to ensure all tape marks on deck caused by securing protective coverings to deck are cleaned from all decks and stairs. The Contractor must remove the protective floor coverings no earlier than 24 hours before the vessels departure from the Contractor's facility.

Crane: The Contractor must supply the services of a 20 ton crane and personnel to operate and direct the crane to load and unload supplies from the vessel. The Contractor must quote on 300 hours of crane time.

Electrical Shore Power: Shore power facilities to be supplied to ship through two (2) 600 VAC, 60 hz., 3 ph., 400 ampere sources. Contractor supplied cables and fittings are to be used. Cables to be spliced into two (2) Owner supplied female shore power plugs and insulated. Cables and connections are to be Megger tested prior to hook up. Plugs to be connected to two (2) male plugs at the shore power connection box on the aft end of the Upper Deck.

i) Contractor to quote for supplying 8,000 KW hours per day times (10) the number of days scheduled for the manned portion of the refit.. Contractor to quote KWH unit rate for adjustment purposes.

ii) Upon completion of refit and removal of shore power, the plugs are to be disconnected from cables and turned over to the ship's Electrical Officer.

iii) Pigtails on plugs are not to be cut when disconnecting from shore power cables.

iv) Meter readings to be taken from the ship's shore power meter located in the Control Room. Meter readings to be recorded by the Contractor and the ship's Electrical Officer at the time of connection and disconnection.

v) Contractor is advised that the ship requires shore power from the starting date of the manned portion to the completion date of the contract. The power quoted is for the vessel's own use.

vi) The contractor is to provide prior to the closing of bids, a letter stating that they meet the requirement of providing shore power requirements as stated in the specification for the duration of the manned refit period.

vii) NOTE: If Contractor is supplying power to the ship by means of a diesel generator set on the dock; contractor is responsible for any watch keeping personnel or fuel for the generator unit. The Contractor must quote on 10 days crewed.

Heat: The Contractor is to provide heat throughout the vessel via a rental Thermal fluid unit c/w circulation pumps. The Contractor may fabricate and install piping connection/connections before the pressure regulating valves to gain access to the vessels circulatory system. The Contractor is responsible to ensure that heat and de-humidification is maintained for the duration of the heating season Sept. 2015 through to mid-May, 2016. Suggested Supplier for Rental Unit:

Fulton Boiler Works Canada Inc.

75 Mary Street, Unit 10,

Aurora, Ont

L4G 1G3

Ph: (905) 727-4013 Contact: <mailto:Kevin.Helinger@fulton.com> or david.kluey@fulton.com

The Contractor must ensure that environmental conditions are monitored aboard the vessel throughout the contract period to prevent damage from temperature variations. This must include protection from the freezing of any piping system with fluids within them and the overheating of any spaces in which electronic equipment could be detrimentally affected such as the electronics room, bridge or engine control room.

While the vessel is shut down and unmanned cooling water will not be required

4. At Annex A, Specification 8.3 Docking:

Delete: "Drydocking is to take place immediately upon the ship arriving at the shipyard to commence refit."

Replace With:

8.3 Docking

The Contractor must supply all labor, materials and facilities to dock and undock the vessel to perform the work required by these specifications.

The vessel will be delivered to the ship yard entrance. The Contractor must provide for the handling of the vessel's mooring lines and tug assistance as required to perform the docking and undocking of the vessel and any other movements required during the contract period. The Contractor must be responsible for all associated fees.

The particulars of the vessel are as per Section 1.2 of this specification. The Contractor must provide proof with the bid documents that the docking facility is certified to dry dock a vessel with these particulars.

The stability books are included as part of the materials provided to the bidders.

A docking plan is available on board the vessel. Contractor will be responsible to ensure drawing is returned to vessel upon completion of work.

Contractor to prepare blocks and necessary shoring to maintain true alignment of the vessel's hull and machinery throughout the drydocking period. Contractor to dock and undock vessel and allow sufficient laydays to perform both the work described in this specification with reasonable time allowance to deal with any work arisings. Contractor is to quote total number of laydays and unit cost per layday

The Contractor must be responsible for recording all tank soundings, draft, trim and list of the vessel, and performing the necessary stability calculations for the successful docking of the vessel. These calculations must be forwarded to the Technical Authority and the Inspection Authority for review 48 hours prior to docking the vessel.

The vessel must be docked so that all docking plugs, transducers, anodes and sea inlet grids are clear and accessible. A minimum clearance of 1.3 meters (4 feet) must be available below the keel. If any hull fittings are covered, the Contractor must be responsible for all labor and materials required for making alternative arrangements to drain tanks and/or move blocks to gain access to areas of specified work. The Contractor must refer to the Docking Plan.

The Contractor must fit drain fittings to the various deck scuppers or overboard drains as required if they interfere with the work in way. The Contractor must quote on fitting five (5) temporary drains for deck scuppers and overboard drains.

The Contractor shall be responsible for the safe transfer of the ship from its pre-docking berth or location onto its docking blocks. During docking, radio contact is to be maintained between the vessel's Commanding Officer and the Contractor's Docking Master. The Contractor is to include in his bid, tug and/or pilotage, and ice clearing services as required. All costs for line handling and Qualified Docking Master are the responsibility of the contractor.

The Contractor must provide a ground cable between the vessel and the dock while the vessel is docked as per TCMS Ship Safety Bulletin 6/89.

Within two hours of docking, the underwater hull is to be cleaned by high pressure fresh water washing (2000 PSI minimum) to remove all marine growth and allow preliminary inspection.

Prior to commencing hydro blasting, all hull mounted equipment and openings are to be fully protected. The following information is to be recorded on Ship Condition Reports:

a) Prior to docking, all tanks on vessel to be sounded and contents recorded. Copy to be signed by the ship's Captain, the Chief Engineer and Contractor's Docking Master.

b) On docking, all tanks emptied to be listed, and copies held by Contractor and Chief Engineer.

c) At undocking, all tanks to be refilled to obtain same draft and trim as at docking, and condition agreed by the Docking Master, the ship's Captain and the Chief Engineer

5. At Annex A, Specification 10.3.3:

Delete In Its Entirety:

Replace With:

10.3.3 The Contractor is to bid on 300 linear feet of gouging and 300 linear feet of grinding and a unit cost for each.

6. At Annex A, Specification 10.3.6:

Delete In Its Entirety:

Replace With:

10.3.6 Contractor to quote on 900 bead feet of welding, plus a rate per bead foot for adjustment purposes.

7. At Annex A, Specification 12.3.3 c):

Delete In Its Entirety:

Replace With:

12.3.3 c) subject work to inspection as coordinated with attending TC/MS inspector.

8. At Annex A, Specification 12.3.4:

Insert:

12.3.4 e) Contractors to allow for the provision of 200 linear feet of X-ray examination and provide a unit cost for each additional 10 linear feet.

9. At Annex A, Specification 13.1 Identification:

Insert:

13.1.2 Unless otherwise stated, the Contractor shall supply all materials, equipment

10. At Annex A, Specification 13.3.3.1:

Delete In Its Entirety:

Replace With:

The Contractor shall remove and replace all Air Bubbler piping indicated on Drawing 02-0716-01-MU. This shall include all AB Discharge piping, smaller than 600 mm, aft of Bulkhead 165, fwd of frame 165 only replace 125 mm sections.

In addition to 125 mm sections fwd of frame 165 additional amounts of pipe and pipe connections to be replaced are approximately 12 meters of 300mm pipe, 4 ea. – 300 to 125mm reducers, 4 ea. –300mm 90° elbows and 4 ea. 300mm 45° elbows.

11. At Annex A, Specification 13.3.3.8:

Delete In Its Entirety:

12. At Annex A, Specification 16.1.1 Add : “Sauna off gymnasium to remain undisturbed”

Delete In Its Entirety:

Replace With:

16.1.1 This specification covers work to be completed onboard the CCGS “Henry Larsen”, to remove Asbestos Containing Material (ACM) present in a spray coat product known as ‘Weathershield’. ‘Weathershield’ was installed as a means of binding the surface of the sprayed on insulation that was used throughout the vessel. Although the ‘Weathershield’ product has been applied to the surfaces of most bulkhead and deckhead insulation, only the accommodation areas shown on the accompanying insulation guidance drawing, J13069-A01, are the areas where it requires removal prior to the new insulation being fitted. Sauna off gymnasium to remain undisturbed.

13. At Annex A, Specification 17.3.7, Table 6, Row - reading #6: Change 22000mm to 2000mm

Delete In Its Entirety:

Replace With:

Table 1: Vents and Soundings

Reading #	Reading Location	Tank	OD (mm)	Type	Length (mm)	Type
6	Upperdeck	No.8 F.O. Tank Fr 150-165 Port	125	Welded	2000	Vent

14. At Annex A, Specification 19.3.13:

Delete In Its Entirety:

Replace With:

19.3.13 The existing Tank monitoring panels (as detailed in 19.2.1) are to be upgraded so that they may take advantage of industry standard 4-20ma signal processing. Incompatible tank sensors are to be identified and replaced as part of this specification. As a result of this replacement, where gas freeing is required where a tank or space involved is not already opened and gas freed for another specification item or cable replacement to be covered by 1379 action.

There are a total of 15 0-1ma sensors that will need to be replaced and are identified in the included Tank Sensors Existing Nov 2014.pdf listing in the drawing package. Two fuel tanks (#8 port and stbd) and the aft and fwd stab tanks have flanged tank bottom style sensors located inside the tanks. All other sensors are mounted on the individual tank side and can be accessed through an isolation valve mounted adjacent to the sensor. The #8 fuel tanks will be cleaned prior to this contract but will have to be confirmed gas freed prior to entry or work is performed. The aft and fwd stab tanks will be opened up as part of the bubbler piping replacement spec. Contractor responsible for costs associated with confined space entry procedures required to replace the sensors.

The contractor is to change out all of the remote analog indicators as outlined in the attached Tank Sensors Existing Nov 2014.pdf attached in the drawing package. The replacement indicators are to be to industry standard 4-20ma and scaled to the individual tank as per the original indicators. There are a total of 23 indicators. The existing panels and wiring are to remain unless incompatible with the new indicators.

15. At Annex A, Specification 20.3.3:

Delete In Its Entirety:

Replace With:

20.3.3 The 14 Anodes located in the main sea bay are to be removed and are to be permanently blanked off.

16. At Annex A, Specification 25.1.3:

Insert:

25.1.3 Any wall paper damaged during the work will be addressed as specified shall be addressed by 1379.

17. At Annex A, Specification 27.3.5:

Delete In Its Entirety:

Replace With:

At 27.3.5 In conjunction with the Asbestos Remediation, prior to the deck head panels being reinstalled, contractor shall disconnect the lighting fixtures in each of the spaces listed and replace with Owner supplied fixtures, brackets.

18. At Annex A, Specification 28.3.1:

Delete In Its Entirety:

Replace With:

28.3.1 Contractor shall have an allowance of \$40,000 for the services of FSR, CME Ltd to oversee, direct work on Helicopter Hangar.

19. At Annex A, Specification 28.3.11:

Delete In Its Entirety:

Replace With:

28.3.11 Limit switch for the travel on the lead section shall be reused.

20. At Annex A, Specification 28.3.29:

Delete In Its Entirety:

Replace With:

28.3.29 The Contractor shall supply the crane, operator and sufficient personnel to safely remove the hanger sections, including fixed hanger section.

21. At Annex A, Specification 29.3.7, Add, ``Loose outfitting items will be removed from the space prior to the start of work by the Crown``:

Delete In Its Entirety:

Replace With:

29.3.7 The contractor must disconnect and remove the items and equipment stored in the helicopter hangar workshop. This includes the FM 200 system and support base (FM200 system will be removed and returned to service by authorized FM200 service personnel), the workbench, firemen's locker and gear, shelving and Mac Tool crib. All the equipment must be stored in an area protected from the elements during the entire process. Any items remaining in the compartment must be covered to protect from the dust and debris from the flooring and steel removal. All items removed from the workshop will be re-installed by the contractor after work is completed. Loose outfitting items will be removed from the space prior to the start of work by the Crown.

22. At Annex A, Specification 44.3.15:

Delete In Its Entirety:

Replace With:

The new power supplies will be supplied with a new CCG supplied 600/220 Volt, single phase enclosed transformer of minimum 4 KVA size. Transformer enclosure will be mounted alongside the new power supply. Location to be determined by Chief Engineer. Contractor to manufacture stands to fit the new transformers to maintain a minimum 3 inch clearance from the deck. Stands to be secured to the deck and the transformers secured to the new stands.

33.0 Exterior Doors

Note: All exterior doors open out. French spec incorrect.

23. At Annex A, Specification 44.3.18, Add, `` Cover plate material to be 16 gauge SS``:

Delete In Its Entirety:

Replace With:

44.3.18 The contractor will make a 420 mm by 520 mm stainless steel cover plate for the existing opening in the wing consoles. These cover plates will each have a 125mm by 125 mm cut out for the new controller and will be attached to the console with countersunk screws. The new controller will be attached to the new plate at the lower end of the plate. Cover plate material to be 16 gauge SS.

24. At Annex A, Specification 45.3.10:

Delete In Its Entirety:

Replace With:

At 45.3.10 The existing 3 phase power cable from panel EP-501 will be re-used and connected to a contractor supplied 600/230 volt minimum 6KV marine rated single phase enclosed transformer

mounted adjacent to the new searchlight power supply. The contractor will mount a junction box adjacent to the transformer which will have 2 fused circuits connected to the 220volt output of the transformer. One fused circuit (5 amp slow blow) will be connected to cable W13 and will be used to feed the 220/24vdc power supply on the bridge. The other fused circuit (15 amp slow blow) will be used to feed circuit W12.

25. At Annex A, Specification 46.3.10:

Delete In Its Entirety:
Replace With:

46.3.10 The new power supply will be installed and secured in electronics equipment room in way of the removed lbak searchlight power supplies. Contractor supplied 600/230 volt, minimum 6KV marine rated, single phase enclosed transformer will be mounted adjacent to the new searchlight power supply. The existing 3 phase power cable from panel EP-501 for the stbd searchlight will be re-used and connected to the transformer. The contractor will mount a junction box adjacent to the transformer which will have 2 fused circuits connected to the 220volt output of the transformer. One fused circuit (5 amp slow blow) will be connected to cable W13 and will be used to feed the 220/24vdc power supply on the bridge. The other fused circuit (15 amp slow blow) will be used to feed circuit W12.

26. At Annex A, Specification 66.3.2:

Delete In Its Entirety:
Replace With:

66.3.2 This work shall be completed prior to the vessel's crew returning prior to dock/sea trials.

27. At Annex A, Specification 69.1:

Insert:

69.1.2 Contractor to repair area in front of Aux Switchboard panel #6 and including area leading towards MCC panels. Approx. 25 ft².

28. At Annex A, Specification 69.1:

Insert:

69.1.3 Contractor to repair area in front of Motor room entrance. Approx. 15 ft².

29. At Annex A, Specification 80.3.8, Reduce Scupper Bells from 27 to 9:

Delete In Its Entirety
Replace With:

80.3.8 Contractor to supply and install 9 new scupper bells. Scupper bells are to be complete with integrated trap and brass grate cover. Bells are to be fillet welded on both sides of the deck. Scupper

bells are to be located as per the original scuppers to allow for the proper thickness of deck covering. The deck scupper bells are to be attached to the existing grey water piping. All areas below the scuppers shall be protected against damage that may be caused by the removals and installations.

30. At Annex A, Specification 80.3.12:

Delete In Its Entirety

31. At Annex A, Specification 80.3:

Insert:

80.3.16 Contractor to remove all 4" rubber trim. Upon completion of tile replacement, contractor to supply and install new 4" trim as per original. Contractor to bid on 900 feet of trim.

32. At Annex A, Specification 81.3.2, Remove reference to main deck and floating floor in this section:

Delete In Its Entirety:

Replace With:

81.3.2 The vinyl tiles are placed on 10mm dex-o-tex underlayment. The vinyl tiles on all decks and stairs are to be removed and discarded.

33. At Annex A, Specification 81.3.4:

Delete In Its Entirety:

34. At Annex A, Specification 81.3.7, Reduce Scupper Bells from 27 to 13:

Delete In Its Entirety:

Replace With:

81.3.7 Contractor to supply and install 13 new scupper bells. Scupper bells are to be complete with integrated trap and brass grate cover. Bells are to be fillet welded on both sides of the deck. Scupper bells are to be located as per the original scuppers to allow for the proper thickness of deck covering. The deck scupper bells are to be attached to the existing grey water piping. All areas below the scuppers shall be protected against damage that may be caused by the removals and installations.

35. At Annex A, Specification 81.3.9:

Delete In Its Entirety:

Replace With:

81.3.9 After the completion of the scupper installation, contractor is to repair the underlayment around the scuppers and tie into the existing. Contractor is to bid on repairing 40 sq ft of Dex-o-tex in way of the scuppers. Contractor to quote on the unit cost for additional repairs.

36. At Annex A, Specification 81.3:

Insert:

81.3.16 Contractor to remove all 4" rubber trim. Upon completion of tile replacement, contractor to supply and install new 4" trim as per original. Contractor to bid on 670 feet of trim.

37. At Annex A, Specification 82.3.2:

Delete In Its Entirety:

Replace With:

82.3.2 The vinyl tiles are placed on 10mm dex-o-tex underlayment. On The vinyl tiles on all decks and stairs are to be removed and discarded.

38. At Annex A, Specification 82.3.4:

Delete In Its Entirety:

39. At Annex A, Specification 82.3.7, Reduce Scupper Bells from 27 to 6:

Delete In Its Entirety:

Replace With:

82.3.7 Contractor to supply and install 6 new scupper bells. Scupper bells are to be complete with integrated trap and brass grate cover. Bells are to be fillet welded on both sides of the deck. Scupper bells are to be located as per the original scuppers to allow for the proper thickness of deck covering. The deck scupper bells are to be attached to the existing grey water piping. All areas below the scuppers shall be protected against damage that may be caused by the removals and installations.

40. At 82.3 Technical Change - Correct Numerical Formatting:

Delete In Its Entirety:

Replace With:

82.3 Technical

82.3.1 All materials are to be contractor supply unless otherwise stated in this specification.

82.3.2 The vinyl tiles are placed on 10mm dex-o-tex underlayment. On the Main deck the tiles are over a 70 mm A-60 floating floor. The vinyl tiles on all decks and stairs are to be removed and discarded.

82.3.3 The deck is to be power tool cleaned, as required, to obtain a suitable surface for the new deck covering. After the steel has been prepared, the deck is to be primed.

- 82.3.4 The new 70mm Decklite system complete with cork soundproofing shall be installed on the bare deck.
- 82.3.5 The four entrance areas, from the exterior decks, are to have the 10 mm dex-o-tex covering removed. Contractor will power tool clean the deck and prepare the deck for new dex-o-tex.
- 82.3.6 The following portion of the work is covered by Specification #17, Technical Items 80.3.6 through to 80.3.12. Contractor is to disconnect all alleyway deck scuppers, as per the list above, from the drain piping. The upper decks are connected into PVC piping and the Main deck scuppers are connected to black iron pipe. All connections are 1 ½". Underlayment is to be removed as required to allow access to the deck around the scupper bell. The scupper bells are to be removed from the deck and the deck plating properly prepared for the installation of new scupper bells.
- 82.3.7 Contractor to supply and install 27 new scupper bells. Scupper bells are to be complete with integrated trap and brass grate cover. Bells are to be fillet welded on both sides of the deck. Scupper bells are to be located as per the original scuppers to allow for the proper thickness of deck covering. The deck scupper bells are to be attached to the existing grey water piping. All areas below the scuppers shall be protected against damage that may be caused by the removals and installations.
- 82.3.8 The deck around the scuppers is to be power tool cleaned, as required, to obtain a suitable surface for the new deck underlayment. After the steel has been prepared, and the new scuppers installed, the area around the scuppers is to be primed.
- 82.3.9 After the completion of the scupper installation, contractor is to repair the underlayment around the scuppers and tie into the existing. Contractor is to bid on repairing 40 sq ft of Dex-o-tex and 10 sq ft of Decklite underlayment in way of the scuppers. Contractor to quote on the unit cost for additional repairs.
- 82.3.10 The Owner's representative will select the colour for the deck covering. The contractor is to provide a sample of the available colours of the vinyl tile and the dex-o-tex for the entrance ways, to the owner's representative prior to application.
- 82.3.11 The eight entrance ways shall be covered in 10 mm of dex-o-tex with the edges being coved approx. 100 mm.
- 82.3.12 Upon completion of all scupper installations and underlayment repairs the contractor is to install the new vinyl tiles on all decks. Upon completion of the installations all decks shall be properly sealed and waxed using a high quality sealing/wax product.
- 82.3.13 All decks will be covered against damage after the installation of the tiles.
- 82.3.14 The Contractor shall be responsible to ensure that all areas have been thoroughly cleaned and free of any debris resulting from the performance of this specification item.

41. At 82.3.9 - Remove requirement for 10 sq ft of deck-lite:

Delete In Its Entirety:

Replace With:

82.3.9 After the completion of the scupper installation, contractor is to repair the underlayment around the scuppers and tie into the existing. Contractor is to bid on repairing 40 sq ft of Dex-o-tex in way of the scuppers. Contractor to quote on the unit cost for additional repairs.

42. At Annex A, Specification 82.3:

Insert:

82.3.15 Contractor to remove all 4" rubber trim. Upon completion of tile replacement, contractor to supply and install new 4" trim as per original. Contractor to bid on 220 feet of trim.

43. At Annex B, Basis of Payment Table B1, Amend Row C):

Delete In Its Entirety:

Replace Basis of Payment - Table B1 With:

B1 Contract Firm Price

A)	Known Work For work as stated in Article 7. 1, Specified in Annex "A" and detailed in the attached Cumulative Pricing Data Sheets, for a FIRM PRICE of:	\$
B)	GST / HST as applicable of line a) only	\$
C)	Cost of Financial Security as per 7.14	\$
D)	Total Firm Price GST/HST Included:	\$

44. Amend Annex H, Appendix 1 Table 1 with the following changes:

- a) Item 11 add Unit Cost per 10 linear feet
- b) Item 70 - Remove requirement for 10 sq ft of deck lite
- c) Item 71 - Remove requirement for 10 sq ft of deck lite
- d) Item 69 - add Cost for 900 feet of Trim
- e) Item 70 - add Cost for 670 feet of Trim
- f) Item 71 - add Cost for 220 feet of Trim

Note to Bidders: An Updated Annex H, Appendix1 Table 1, Revision 1 has been attached as an Excel file on Buy and Sell.