## SOLICITATION F7049-160318/A – TECHNICAL SPECIFICATION SUPPLEMENT – VERSION 09

This Supplement is raised to respond to technical questions raised by industry and to document additional information (including additional work).

This version of the Technical Specification Supplement supersedes all previous versions. Updates to the Supplement since the last version are in blue text.
If previously raised questions remain unanswered, please re-submit them by e-mail to the Contracting Authority.
This Supplement affects the content of the Solicitation and its associated documents.

The bid must take into account:
1) All Solicitation documents and attachments available from the Government Electronic Tendering System at https://BuyandSell.gc.ca/procurement-data/tenders;
2) This Technical Specification Supplement; and
3) All documentation referenced within the Solicitation documents.

### A. Questions and Responses

| Item | Reference | Question | Response | Version |
|---|---|---|---|---|
| 1 | Dock 1.0 | Please advise of the condition (displacement, extent of deck outfit on the vessel and anticipated tank contents) of the John P. Tully when the vessel arrives at the shipyard. | The vessel will be de-stored and all systems shut down. The vessel will be pumped of all ballast to the lowest point. Coast Guard (CG) will attempt to get all of the fuel off the vessel leaving only what is required for safe transit to the yard. Arrival condition will be provided closer to the delivery date. | 1 |
| 2 | Heli 1.1<br>B.1 Drawings | No drawings, (except the Tully Flight Deck Markings) were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 3 | Heli 1.1<br>D.2 Testing / Trials | "The welds must be NDT tested by certified person in accordance with the requirements of ISO 9712:2005 International Standards For NDT".<br>This standard "specifies the qualification and certification of personnel involved in non-destructive testing (NDT). It is applicable to proficiency in one or more of the following methods:…"<br>This standard does not specify what the NDT requirement for the work is, but is for the technician undertaking the work.<br>Please specify the actual NDT procedure and quantity of NDT required for weld inspection for Spec. Heli 1.1-Helicopter Deck | Welding Inspection Requirements:<br>Helicopter deck- structural welds 100% visual inspection for components such as angle and bar steel (ie: all fillet welds). 20% of fillet welds to be dye penetrant or Mag particle. | 1 |

| Item | Reference | Question | Response | Version |
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| 4 | 10.1 Forepeak Tank Inspection<br>B.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 5 | 10.1 Forepeak Tank Inspection<br>C.7 | The interior of the forepeak to be 100% sand blasted. Please provide a surface area to be sand blasted inside the forepeak. | The surface area is to be estimated by the Bidder from the drawings provided. | 1 |
| 6 | 10.1 Forepeak Tank Inspection<br>C.9 | The contractor is directed to bid on sand-sweeping the interior of the fore peak to remove flash rust after the structural repairs to the forepeak. The structural repairs to the fore peak is not specified and is to be undertaken by 1379 action. As the extent of the structural repairs are unknown, can the sand sweeping of the interior of the forepeak after steel repair be undertaken by 1379 action? | Yes, sand sweeping can be completed if required and covered by 1379. | 1 |
| 7 | 10.2 Sea Chest<br>B.2 Drawings | No drawings and Instruction Manual provided. | Drawings have been posted. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 8 | 10.3 Electrolytic and Cathodic Protection Systems<br>C.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 9 | 10.4 Storm And Sea valves<br>B.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 10 | 10.5 Rudders and Rudder Trunk Survey<br>B.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 11 | 10.6 Shaft Tunnel Cleaning, Thickness Testing And Coating Renewal<br>B.1 Drawings | No drawing was provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
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| 12 | 10.6 Shaft Tunnel Cleaning, Thickness Testing And Coating Renewal<br>C. Statement Of Work | Please specify in text the extent of the work – i.e. frame x to y, from the keel to the underside of the floor plates or? | Frames 17-29 from the keel to underside of deck plates. | 1 |
| 13 | 10.7 Chain Locker, Anchors and Chain Survey<br>B.1 Drawings | No drawing was provided | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 14 | 10.7 Chain Locker, Anchors and Chain Survey<br>C.1 | Please advise of the quantity (2?), size (weight) of the anchors, number of shots and size of the anchor chain per side. | Stockless Anchors (x2) Weight – 2330kg (5134lbs)<br>Port Cable: 38mm (1 ½"), 10 shots<br>Stbd Cable: 38mm (1 ½"), 8 shots | 1 |
| 15 | 10.7 Chain Locker, Anchors and Chain Survey<br>C.9 Replace hawse pipes | No drawing was provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 16 | 10.8 Propeller Shaft Removal And Survey<br>C.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 17 | 10.9 KaMeWa CPP Propeller, Hub, Shaft, OD Box, Servo Pumps<br>B.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 18 | 10.9 KaMeWa CPP Propeller, Hub, Shaft, OD Box, Servo Pumps<br>C.5 OD Box | Who supplies the seals for the OD box. If CFM, please provide details of the seals to be supplied. | OD box seals will be supplied as GSM. | 1 |
| 19 | 10.9 KaMeWa CPP Propeller, Hub, Shaft, OD Box, Servo Pumps<br>C.6 CP Pumps | Please provide the manual for the two CP pumps. | Drawings have been posted. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
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| 20 | 10.9 KaMeWa CPP Propeller, Hub, Shaft, OD Box, Servo Pumps C.6 CP Pumps | Please provide details of the two CP pumps seals to be renewed. | Pumps are IMO E4F038N<br><br>Seals needed:<br><br>(a) Description: joint<br>Position #: 506<br>PN from our inventory: n/a<br>QTY needed for overhauling 2 pumps: 2<br><br>(b) Description: joint<br>Position #: 556<br>PN from our inventory: 140004<br>QTY needed for overhauling 2 pumps: 4<br><br>(c) Description: shaft seal<br>Position #: 509<br>PN from our inventory: 107680<br>QTY needed for overhauling 2 pumps: 4 | 1 |
| 21 | 10.9 KaMeWa CPP Propeller, Hub, Shaft, OD Box, Servo Pumps C.7 CP Header tank Lift Pump | Please provide the manual for the CP Header Tank Lift Pump | Canada will provide new header tank lift pump as GSM. | 1 |
| 22 | 10.9 KaMeWa CPP Propeller, Hub, Shaft, OD Box, Servo Pumps C.7 CP Header tank Lift Pump | Are the seals GSM?<br>If not, please provide details of the seals to be renewed. | Canada will provide new header tank lift pump as GSM. | 1 |
| 23 | 10.10 Gearbox Oil Pumps and Clutch Overhaul and Survey B.2 Drawings | No manuals were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
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| 24 | 10.10 Gearbox Oil Pumps and Clutch Overhaul and Survey<br>C.2 Replace gearbox output shaft seal | Please provide drawings and details of the gearbox at the output shaft seal to provide information of the shaft seal to be replaced. | New shaft seal will be supplied as GSM Drawing 0-102-33843 from the manual<br>Seal # - 3760192 position G20 | 1 |
| 25 | 10.11 Amco Veba Crane Quadrennial Survey | Please provide the model, as fitted configuration, weight, hydraulic schematic and drawing of the Amco Veba crane. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 26 | 10.11 Amco Veba Crane Quadrennial Survey<br>B.1 and B.2 Manuals and drawings | No manuals and drawings were provided. | Drawings have been posted. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 27 | 10.11 Amco Veba Crane Quadrennial Survey<br>C.4 Crane Base Modification | No drawings were provided for the modification. On site measurements for the crane pedestal, crane and helicopter deck at the viewing indicates the crane pedestal must be reduced in height by 356 mm to achieve the specified requirements of the crane in the stowed position to be 100 mm below the level of the helicopter deck. The existing crane base is only 616 mm high. It is not practical to reduce the height of the existing crane base by 356 mm (58%) and still retain sufficient structural integrity of the existing base. Please provide a design for the modification to achieve the specified requirement. | The Contractor must lower the crane pedestal by 10". | 1 |
| 28 | 10.11 Amco Veba Crane Quadrennial Survey<br>C.7 Crane Hold Down Bolts | Please advise of size, length and grade of the crane hold down bolts, nuts and locking arrangements, if any. | Grade 8.8 20mm bolt diameter (30mm bolt head) 4" long with nylock nuts. | 1 |
| 29 | 10.12 Port and Starboard Anchor Capstan Survey<br>B.1 Drawings | No manuals and drawings were provided | Drawings have been posted. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 30 | VLE 1.1 Paint and Steel Replacement In Ballast Tanks<br>B. Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
|---|---|---|---|---|
| 31 | VLE 1.1 Paint and Steel Replacement In Ballast Tanks<br>C.1 Statement Of Work | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 32 | VLE 1.1 Paint and Steel Replacement In Ballast Tanks<br>C.1 Statement Of Work | Please provide the area of the interior of each tank to be sand blasted and painted. | Bidders are to calculate the area from the drawings. | 1 |
| 33 | VLE 2.1 Cleaning And Painting Of Ship's Hull Above Waterline.<br>B References,<br>C.1 Technical,<br>C.1.3 Identity Program | The paint specification in the specification does not correspond with the Interspec. Please advise which is correct. | The paint specification will take precedence. | 1 |
| 34 | VLE 2.1 Cleaning And Painting Of Ship's Hull Above Waterline<br>C. Statement Of Work | Please provide the area of the total hull above waterline to allow for. | Bidders are to calculate the area from the drawings. | 1 |
| 35 | VLE 2.2 Underwater Hull<br>C - Refere–ces,<br>C.1 Technical | The paint specification in the specification does not correspond with the Interspec. Please advise which is correct. | The paint specification will take precedence. | 1 |
| 36 | VLE 2.2 Underwater Hull<br>C - Statem–nt Of Work | Please provide the area of the total underwater hull to allow for. | The paint specification will take precedence. | 1 |
| 37 | VLE 3.1 Electrical Switchboard Replacement<br>B.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 38 | VLE 4.1 Bowthruster Replacement<br>B.1 Drawings | No drawings were provided | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
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| 39 | VLE 4.1 Bowthruster Replacement<br>B.4.1 Weld Inspection | We cannot find weld inspection section in the General Notes. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 40 | VLE 4.1 Bowthruster Replacement<br>C1.8 Lining Replacement | What is the specifications of the insulation under the perforated aluminum lining, and is it to be replaced with the perforated aluminum? | The CG will supply the insulation plan for the vessel .The insulation plan is the only documentation Canada has and is considered to be correct. Insulation Plan drwg 302-77 sheets 1 -3 (sprayed fire insulation – 'Cafco Type' | 1 |
| 41 | VLE 5.1 Construction and Installation Of Bilge Keels.<br>B.1 Drawings | No drawing was provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 42 | VLE 6.1 Sewage Plant Replacement<br>A.2 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 43 | VLE 6.1 Sewage Plant Replacement<br>A.2 Drawings | Please provide a Black and Grey Water Schematic and a drawing of the new GSM sewage treatment plant. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 44 | VLE 6.1 Sewage Plant Replacement<br>B.2.3 Weld Inspections | The specification calls for weld inspection to be conducted in accordance with CCG Standard 18-080-000-SG-001 Welding Of Ferrous Metals. Please provide this document. This re-occurs in:<br>- Spec. 7.1 Rescue Boat Davit- B.5 Weld Inspection<br>- Spec. 10.1 Galley Grey Water Tank Expansion- B.2.3 Weld Inspections<br>- Spec. 14.1 No. 10 Ballast Tanks Modifications B.2.3 Weld Inspections | A document titled Canadian Coast Guard Welding Specification has been provided. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 45 | VLE 7.1 Rescue Boat Davit<br>B.2 Drawings | No drawing was provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

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| 46 | VLE 7.1 Rescue Boat Davit D.2.2 | "The testing is to include launch and recovery of the Coast Guard 753 through the full range of standard and emergency operational modes." Is this to include launch and recovery of the boat with the John P. Tully at sea? If so, please specify the requirements for sea trials. | A separate section has been provided to cover sea trails. Please refer to Item 3 in Section B below. | 1 |
| 47 | VLE 8.1 Alarm And Monitoring Upgrade B.2 Drawings | No drawing was provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 48 | VLE 9.1 Replacement Of The Windows B.1 Drawings | No drawing was provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 49 | VLE 10.1 Galley Grey Water Tank Expansion B.1 Drawings | No drawing was provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 50 | VLE 12.1 Fresh Water Tank Expansion And Cleaning The Existing Potable tanks C- Statement Of Work | This portion of the specification is silent on the requirements of the preparation and coating of the new enlarged section of the potable water tank, and the ballast tank, aft of the enlarged potable water tank. Please provide additional details for preparation and painting of the 4 spaces. | International paint spec for potable water and ballast tanks. Repair and touch up existing potable water paint rather than blasting the whole tank (it was completely blasted and recoated in 2012). | 1 |
| 51 | VLE 12.1 Fresh Water Tank Expansion And Cleaning The Existing Potable tanks D.1.2 Testing and Trials | Is there any hydrostatic testing requirements for the two re-configured ballast tanks, after enlarging the potable water tanks? | The #2 ballast tank and the newly created potable water tanks must be hydrostatically tested.<br>Doing hydros on the two potable water tanks should prove the integrity of the addition into the ballast tanks. The ballast tanks will require testing since holes will be cut in the bottom of the tanks to facilitate removal of blasting media. | 1 |

| Item | Reference | Question | Response | Version |
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| 52 | VLE 14.0 Ballast tank Modifications<br>B.1.1 Drawings | No drawings were provided | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 53 | VLE 14.0 Ballast tank Modifications<br>C.1.1 Drawings | Please provide the internal areas of the two No. 10 Ballast tanks to be sand blasted and painted. | Bidders are to calculate the area from the drawings. | 1 |
| 54 | VLE 15.0 Reconfigure Equipment In The Cargo Hold<br>B.1.1 Drawings | No drawings were provided. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 55 | VLE 15.0 Reconfigure Equipment In The Cargo Hold<br>B.1.1 Drawings | Please provide a Hydraulic Schematic and an arrangement drawing of the A frame hydraulic power pack. | Wainbee Manual drwg WL92-768-6 rev 3 Power Unit Layout<br>Wainbee Manual drwg WL92-768-0 rev 2 A Frame Hyd System | 1 |
| 56 | multiple references | Please identify the weld inspection requirements. | Helicopter deck:<br>Structural welds 100% visual inspection for components such as angle and bar steel (ie: all fillet welds). 20% of fillet welds to be dye penetrant or Mag particle.<br><br>VLE 1.0:<br>Replacement of hull plate in ballast tanks, 100% visual weld inspection, Vacuum box or pressure test all hull butts for leaks. 100% ultrasonic inspection of full penetration welds.<br><br>VLE 3.0 Switchboard installation:<br>Minor structural 100% visual inspection.<br><br>VLE 4.0 Bow thruster replacement:<br>Hull welds 100 % visual weld inspection, of full penetration butt welds. 100% ultrasonic inspection of full penetration welds to hull exterior. Hull welds to be hose tested or vacuum boxed, if practical. | 1 |

| Item | Reference | Question | Response | Version |
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| 56 cont'd | | | VLE 5.0 Bilge keels:<br>Attachment to hull 100 % visual weld inspection, and 100% mag-particle inspection.<br><br>VLE 6.0 Sewage Plant Replacement:<br>Minor structural 100% visual inspection.<br><br>VLE 7.0 Davit Replacement:<br>Plate and support structure Minor structural 100% visual inspection. Attachment of davit to deck major structural 100% visual and 40% die penetrant or mag particle.<br><br>VLE 10.0 Grey water tank expansion:<br>Minor structural 100% visual inspection. Tank to be air pressure tested welds to be tested with soap solution.<br><br>VLE 12.0 Fresh water tank expansion:<br>100 % visual weld inspection, 20% of linear welds die penetrant or mag particle , Tank to be air pressure tested welds to be tested with soap solution.<br><br>VLE 13 Blister:<br>Attachment to hull 100 % visual weld inspection, Vacuum box acceptable for small inserts. Construction components 100% visual inspection 30% Die Penetrant or Mag particle. 100% ultrasonic inspection of full penetration welds, for hull inserts to close holed where old transducer was removed and shell inserted. For the actual transducer pod, this is an appendage to the hull- 100% visual inspection and 30% dye penetrant or mag. particle. | |

| Item | Reference | Question | Response | Version |
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| 56<br>cont'd | | | VLE 14 #10 ballast tank:<br>Structural welds visual inspection for components such as angle and bar steel, 20% of fillet welds of plate die penetrant or Mag particle.<br><br>VLE 15 Relocation of equipment in aft hold:<br>Minor structural 100% visual inspection.<br><br>A document titled Canadian Coast Guard Welding Specification has been provided. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | |
| 57 | | Does the Coast Guard have enough E-grade plate to complete the steel replacement in the ballast tanks and the insert plates in way of the redundant transducers? | The Coast Guard will supply 5 plates - 14mm x– 1550.0mm x 3550.0 ABS grade–e plate for a total of 27.5 M sq. After review of the work, this will be the minimum amount required. The Contractor must purchase and supply an additional 27.5 M.Sq of 14mm class approved grade –E plate. The Contractor can determine the plate sizes it wants to work with. The initial order was purchased from Chapel Steel. All duties and shipping must be included.<br>A line item will be added to a future version of the Pricing Data Sheet to identify the price of the additional material.<br>NOTE: this is to confirm the Contractor must supply the correct welding rod for the E- grade plate. | 1 |
| 58 | REFIT | The following drawings are required:<br>- Mid ship sections<br>- Frame sections<br>- Fresh water tank expansion 15-68H-123-01<br>- Sea chest and sea bay J12-302-16 | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
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| 59 | 10.7 Chain Locker, Anchors and Chain Survey | What is the material grade for Howse pipe, 16"Ø Sch 4" pipe, 21' long ('ncl both sides)? | Details as per 302-81 anchor arrangement. | 1 |
| 60 | 10.9 [C.5.1] | OD Box Overhauling. Description of scope of work?<br>Insitu Overhauling or Take to workshop for overhauling?<br>Which option should Bidders bid on? | The OD box can be overhauled insitu as long as the work area can be maintained in a clean and dirt free condition and there is no danger of contamination of the CP system. | 1 |
| 61 | VLE 1.0<br>Heli-deck structural upgrades | Which wire-ways (major) will be affected by the structural upgrades/changes?<br>During the viewing, we could not access above deck head to view what is in each cable and passageway. | There should be no major cable runs in the area of the helicopter deck modifications. It is Inticipated that the electrical services provided to the cabins below are the only cable trays that may be involved with the modifications.<br>J12-05034-E-012 is provided - Please–refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 62 | VLE 3.1<br>Switchboard Replacement | Will the new Switchboard be exactly the same dimensions as the original/existing unit? | Expected dimensions are shown in M-SB10GA and M-SB20GA - Please–refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 63 | VLE 3.1<br>Switchboard Replacement | Will the new Switchboard come as 1 piece or multiple sections? | The Switchboard will be provided in multiple sections made up of two cubicles per section. | 1 |

| Item | Reference | Question | Response | Version |
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| 64 | VLE 3.1<br>Switchboard Replacement<br>C.1.1 Overview<br>& C.3 Installation | Temporary power: Can CCG determine what equipment/systems will require temporary power? Lighting is a must, and understood, however what other systems are required to be powered. Since the entire switchboard will be down require to know if certain MCC's or other sub-systems need to be powered up during the refit. | All ships systems will be powered down and there will be no requirement to provide power to them. The Contractor is responsible to provide power to the heating systems to keep the vessel in a warm condition and prevent any components from being damaged by cold conditions. The Contractor will be in care and custody of the vessel and is responsible to provide all emergency response and detection systems. This includes alarms and fire detection. The Contractor must provide a comprehensive plan to the TA giving the details of the temporary power that will be provided. If there are requirements determined by the TA that are outside of the Contract, then they will be covered by PWGSC 1379. | 1 |
| ~~65~~ | ~~VLE 3.1<br>Switchboard Replacement<br>C.3.6~~ | ~~Indicates Contractor to provide FSR (or OEM) from the Switchboard manufacturer, to be of assistance of wiring of the new switchboard (30 x 8 hour days). Is this to supervise or technical assistance or hands-on installation? It is understood that the FSR will provide wire connection confirmation and commissioning but the latter is not clearly understood. Please clarify.~~ | ~~The FSR will be hands on to complete the connections within the switchboard and establish the switchboard in a working condition. The FSR will be able to direct the shipyard if there are any additional requirements. Any work not defined by the contract will be covered by PWGSC 1379.~~ | ~~1~~ |
| 66 | VLE 3.1<br>Switchboard Replacement<br>D.4.2 Drawings and Calculations | Arrangement drawings for the switchboard should be done by the switchboard company because the Contractor will not be modifying the arrangement of the switchboard. Typically this is provided by the switchboard maker? Please clarify. | All switchboard arrangement and construction drawings will be completed by the switchboard manufacturer. If there are as fitted construction drawings related to the support structure or any additional wiring, then the Contractor is responsible to provide the details to the TA and Coast Guard will develop the final drawings. | 1 |
| 67 | VLE 3.1<br>Switchboard Replacement<br>D.4.2 Drawings and Calculations | Short circuit calculation: Again should be done by switchboard manufacturer, as it is required to build the switchboard (prior to switchboard construction)? Please clarify. | Short circuit calculation will be completed by the switchboard manufacturer. | 1 |

| Item | Reference | Question | Response | Version |
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| 68 | VLE 4.0<br>Bow Thruster Upgrade | The Wartsila HPU drawings (Electrical) are requested. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 69 | VLE 4.0<br>Bow Thruster Upgrade | Will the OEM provide harness from HPU to control panel? | Yes. | 1 |
| 70 | VLE 4.0<br>Bow Thruster Upgrade | The drawings of the Bowthruster show the HPU mounted directly on the Bowthruster. Please confirm that this will be where it is mounted. | The HPU must be mounted as per the drawing. | 1 |
| 71 | VLE 6.0<br>Sewage Treatment Plant | The electrical drawings for the system are requested. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 72 | VLE 6.0<br>Sewage Treatment Plant | Will the OEM provide harness from skid to control panel? | Yes. | 1 |
| 73 | VLE 10.0<br>Grey Water Tank Enlargement<br>D.2.2 | The specification references "each tank."<br>Please confirm that there is only 1 tank. | There is only one tank and all spaces within the tank are to be common at the lowest level. | 1 |
| 74 | VLE 1.0<br>Heli-deck structural upgrades | Please provide the following drawings:<br>• J-12-302-117 Ventilation Arrangement Upper Forecastle Decks Sheet 2 of 3 Rev. B in PDF<br>• Arrangement & Details of ventilation – various drawings | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 75 | 10.9 Kamewa CPP Propeller, Hub, Shaft, OD Box, Servo Pumps, C.6 CP Pumps<br>and<br>Question and Response Item 19. | No drawings or manual was posted in the solicitation attachments.<br>Please provide the files. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 76 | 10.12 Port and Starboard Capstan.<br>Question and Response Item 29. | No drawings or manual was posted on the solicitation attachments.<br>Please provide the files. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
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| 77 | | Please provide the following drawings:<br>• 4307-201-001-01 Pedestal Front Crane<br>• 594 – Installation Hull Geometry<br>• 5834A-10.13-3 Bridge Deck – Main Lab<br>• 927727 Kamewa hydraulic schematic<br>• 302-03 Forward Sections<br>• 302-04 Profile And Decks<br>• 302-05 Bulkheads Aft Transverse<br>• 302-06 Bulkheads Forward<br>• 302-07 Longitudinal Bulkheads<br>• 302-08 Fore End Framing<br>• 302-09 Main Deck Plan<br>• 302-10 Upper Deck Plan<br>• 504-3 Lines Plan.<br><br>Note: For drawing numbers, I have generally listed the numbers where I have encountered the drawing title I want. There are often situations where the drawing title appears elsewhere in the document, with a new number. I am unsure which document is the more correct, latest version of the drawing. Please check and send the most appropriate drawing.<br>i.e.: 5834A-10.13-3 Bridge Deck – Main Lab also shows as 8591-357 'Main Laboratory Arrangement, 30275_02 'Arrangements Main Laboratory' , 30276_01 'Layout Main Laboratory', and 504-14 'Main Laboratory' I would like the most current main deck laboratory arrangement please. | Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

| Item | Reference | Question | Response | Version |
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| 78 | | The VLE 2.0 Drawings folder supplied in https://buyandsell.gc.ca/cds/public/2017/04/20/2de2e4aac4d2c11c58ca7b0f188ef5e4/f7049_160318_annexa_specifications_version02.zip contains only one file.<br>Was there more? The subject was Blast And Coat Underwater Hull. When I refer to the Docking and Undocking section and the Vessel Particulars section of the attached material. The only remotely relevant information in these two references are structural drawings for estimating exterior hull area? Is this the sole intent of the page, to refer us to the other two sections or was more information to be provided, i.e.: the last International Paint report or ? | The only file in the VLE 2.0 Drawings folder supplied in https://buyandsell.gc.ca/cds/public/2017/04/20/2de2e4aac4d2c11c58ca7b0f188ef5e4/f7049_160318_annexa_specifications_version02.zip states the drawings provided for reference.<br>The sole intent is to provide some information as reference. There is no information missing and Bidders should use other references to formulate their bid i.e. the paint specification, the spec item and other drawings provided with the information found in the Solicitation's Attachments available for download on BuyAndSell.gc.ca..<br>CCG has checked with the paint representative to make sure CCG had all the information in the paint specification. Bidders should be looking at the paint specification in the file "CCGS John P. Tully 2017DD Coating Spec 23 12 2016 Rev 1.pdf" which is available in the Solicitation Attachment file "F7049-160318_AnnexA_AdditionalDocuments_Volume5_Version01.zip" available for download on BuyAndSell.gc.ca. | 1 |
| 79 | VLE 1.1<br>Ballast Tank – Repairs & Paint | Please provide the drawing showing bulkhead 66 and bulkhead 73. (Drawing number NOT KNOWN.). | Please refer to Drawing J12-302-06 Transverse Bulkheads Forward in the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 80 | VLE 1.1 C.<br>Replacement of wasted steel – 8sq.m. of shell plate | Please specify number of spots require replacing in each tank shell plate. i.e. shall we allow 8sq.m. in one spot per tank or more than one spot totaling 8sq.m?. – please specify. | At this time, the location of the plate to be replaced in the ballast tanks is unknown. The Bidder is to quote on random areas. Some detail can be gathered from the ballast tank condition report but this can only be considered as a reference. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

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| 81 | R 2.0<br>10.1 Fuel Management System | This question relates to a piece of work that was added in B.2 below.<br>Access work: C.2.4<br>The specification calls for the Contractor must protect or if necessary, remove all furniture, linings, deck head, electrical, HVAC, Piping systems, Insulation or other components/equipment as required from the affected areas before beginning of work.<br>Please quantify or describe the access work in detail, regarding removal and refitting of – furniture, linings, deck heads, electrical, HVAC and piping systems.<br>Details and length of signal and power cabling. | The statement, "The contractor must protect or if necessary, remove all furniture, linings, deck head, electrical, HVAC, Piping systems, Insulation or other components/equipment as required from the affected areas before beginning of work" is considered to be a standard statement and the following clarification is offered.<br>There will be minimal removals required and the cables are expected to follow the existing cable routs and as stated in the specification use the existing cable transits. Additional cable transits will be covered by PWGSC 1379. It is to be noted that many of the fixtures in the Ch. Engineers cabin will be removed to facilitate the strengthening of the Helicopter deck. The cables required are noted in the specification, the Contractor is to allow 60' for cables running from the control room to the bridge and 40' for cables running from the control room to the Chief Engineers cabin. All other distances can be estimated from the drawings available for download on BuyAndSell.gc.ca | 1 |
| 82 | 10.11<br>AMCO VEBA Crane Quinquennial Survey<br>C.7 | Please clarify the requirement in C.7:<br>"The crane must be re-secured to its base using new CFM fasteners of the same grade and type as those presently fitted." | The crane must be re-secured to its base using new CFM fasteners of the same grade and type as those presently fitted. Once the crane is re-secured, the Contractor must make all electrical and hydraulic connections. | 1 |
| 83 | VLE 7.1<br>Rescue Boat Davit<br>D.2.2 | Who is responsible for supplying the test weight for D.2.2? | The Contractor must supply the test weight. | 1 |

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| 84 | | As there is no possibility for a ship check anymore, could you please arrange the crew to make some photos of the gearbox and coupling on board of CCGS JP Tully? | Photographs from the ship have been requested but the size of the files makes it difficult to transmit when at sea.<br>The Coast Guard has some photos on file. Please refer to the following files in the Solicitation's Attachments available for download on BuyAndSell.gc.ca:<br>• 3.jpg shows the gearbox looking from the starboard side it shows the main engine clutches forward and the shaft generator clutch aft with the propulsion shaft aft center.<br>• PICT056.jpg shows the clutch removed.<br>• PICT0123.jpg shows propulsion clutches.<br>• PICT0024.jpg shows the engine outputs clutches removed.<br>• PICT0035.jpg shows aft end of the gearbox shaft generator clutch removed.<br>If photographs from the ship become available, they will be posted in a subsequent Solicitation Amendment. | 1 |
| 85 | | As this is a major refit and several areas in the ship will be converted, who is responsible for making the 'as released' drawings after all the refits have been implemented and connected? Is that part of the scope for the Contractor? | The intention is for the Contractor to provide construction information and red line the existing documentation. A 1379 will be raised to have 3GA confirm any changes and produce the as fitted final drawings for submission to TCM. Please refer to the Comment in Section B (Additional Information) – Item 4 below for more information. | 1 |

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| 86 | VLE 3.1<br>Switchboard Replacement | The specification indicates the Contractor is to provide FSR (or OEM) from the Switchboard manufacturer, to be of assistance of wiring of the new switchboard (30 x 8 hour days). Is this to supervise or technical assistance or hands-on installation? It is understood that the FSR will provide wire connection confirmation and commissioning but the latter is not clearly understood.<br>Please clarify, particularly:<br>a. Is the Contractor responsible for labeling, pulling up, pulling down and connecting the cables or is that all done by the FSR from Techsol?<br>b. If the Contractor is responsible for (a) above, does this amount need to be included in the Pricing Data Sheet plus the cost of 30 days FSR from Techsol?<br>c. If not responsible, is the cost for labeling, pulling up, pulling down and connecting the cables subject to PWGSC 1379?<br>d. The Response to Question 65 (Item 65) states, "The FSR will be hands on to complete the connections within the switchboard…"<br>We have spoken with Techsol and they have informed us that they will only supervise the job. There is a clear difference between 'hands on' and 'supervision'.<br>Can you please clarify? | Please note that in light of this clarification request, Item 65 has been struck out in its entirety. In response to the questions,<br>a. The Contractor is responsible to label all cables connected to the existing switchboard, disconnect the cables, pull the cable out of the way and remove the existing switchboard. The Contractor is responsible to install the new switch boards, pull down the cables secure them into the new switchboards and make all connections and mark the cables accordingly. The Contractor is responsible to provide connection details in marked up copies of the drawings provided. From the marked up drawings, the Coast Guard will have final drawings produced. The above-mentioned activities do not form part of the 30 days FSR from Techsol.<br>b. The Bidder must include all costs for the work in the specification and in the clarification above. The Bidder must include 30 days FSR from Techsol.<br>Coast Guard has confirmed that the Techsol person will <u>not</u> be hands on and will be on site to supervise the job. The Contractor will be responsible to schedule the Techsol FSR as required based on the Contractor's electrical capabilities. The Coast Guard is of the opinion that the Techsol FSR does not need to be on site for the removal of the existing switchboard but should be available to supervise the following:<br>• connection of all buss bar sections once the new switchboard is installed;<br>• connections of the incoming wiring and control wiring;<br>• Final check of all connections and matching to the new drawings (If there | 1 |

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| 86<br>cont'd | | | • are sections of control wiring required but not already fitted, the Techsol FSR will identify the requirements and the Contractor will identify it in accordance with the PWGSC 1379 process);<br>• Final testing of the connections prior to applying power to the switchboard;<br>• Power to the switchboard and full functional testing, test all protection devices and monitoring of the equipment (TCM attendance);<br>• Full dock trails utilising ships equipment (TCM attendance);<br>• Sea trails to prove all functions of the switchboard under load with the ships equipment (TCM attendance).<br>If 30 days of FSR time is not adequate to complete the above tasks, then the Contractor will identify the need for additional FSR time in accordance with the PWGSC 1379 process. The Contractor must manage the time on site for the FSR within their schedule and include two separate trips from the Techsol facility to allow for some flexibility. If more travel is required by the FSR, then the Contractor will identify the need for additional FSR time in accordance with the PWGSC 1379 process. The Contractor must indicate the times the Techsol FSR is to be on site in their production schedule and is responsible to reschedule the FSR if the Contractor's production schedule changes.<br>c. The Contractor is responsible for the cost for labeling, pulling up, pulling down and connecting the cables so these activities are not subject to the PWGSC 1379 process. | |

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| 86 cont'd | | | d. The Coast Guard has confirmed with Techsol that Techsol will act in a supervisory role only and not be hands on. The Bidder is to bid on completing all work as per the specification and the details stated above. | |
| 87 | VLE 10.1<br>Galley Grey Water Tank Expansion<br>C.1.6 | Tank Painting – International Paint Spec. External – Calls for Blasting external areas to SSPC- SP6.<br>Is this really required, as external area is in a bilge area as well as #3 Port Fuel Tank?<br>Can we allow for power tool clean of all external areas in bilges in lieu of blasting and spot cleaning affected areas in #3 Port Fuel Tank in lieu of blasting? | The Contractor can allow for power tool clean of all external areas in bilges in lieu of blasting and spot cleaning affected areas in #3 Port Fuel Tank in lieu of blasting. | 1 |
| 88 | VLE 10.7<br>Chain Locker, Anchors And Chain Survey | VLE 10.7 Chain Locker, Anchors And Chain Survey: The hawse pipe project to the anchor pocket through sheet metal clad thermal insulation.<br>Is the insulation to be removed to expose the anchor pocket to permit the hawse pipe renewal and renewed?<br>The re and re of the insulation is not specified. | Yes, the insulation must be removed to expose the anchor pocket to permit the hawse pipe renewal and renewed. The contractor must re and re the insulation as per the existing insulation. | 1 |
| 89 | 10.10<br>Gearbox Oil Pumps and Clutches Overhaul and Survey | 10.10 Gearbox Oil Pumps and Clutches Overhaul and Survey: Please provide details (drawing and manual) for the attached gear oil pumps. (Paragraph C.3). No details of the pump was provided in manual. | ~~If additional information becomes available, it will be posted in a subsequent Solicitation Amendment.~~<br>The Coast Guard has found a drawing. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca.<br>The gearbox OEM representative Karl Senner (http://karlsenner.com) might be able to provide additional information regarding the unit. | ~~1~~<br>2 |
| 90 | 14.1<br>No. 10 Ballast Tank<br>Drawing 5834A-1.12-4R1<br>Hold Option 3 | There is an ellipse at the forward of hatch, port side at frame 10-11 with REM in red. Does this denote an existing man hole is to be removed? | Please refer to the notes on the drawing.<br>Note L: Hatch labelled "REM" aft of thruster motor to be removed and an insert plated welded in flush. | 1 |

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| 91 | 10.12 C.2, Questions and Responses Item 29 | The two capstan hydraulic pumps and two capstan hydraulic motors are specified to be disassembled, inspected and re-assembled with CFM gaskets and seals. Drawings of each capstan were made available, but there is no make or model of the hydraulic pump or motor on the drawing. Can you please provide this information? | Some photos providing the requested information have been posted. Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |

**B. ADDITIONAL INFORMATION**

| Item | Reference | Comment | Version |
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| 1 | 11.4 Service Prime Mover Controls System | A piece of work has been added.<br>Prime Mover Controls System (PMC) servicing has been added to the Technical Specification as 11.4.<br>Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 2 | R 2.0<br>10.1 Fuel Management System | A piece of work has been added.<br>Work associated with a Fuel Management System has been added to the Technical Specification as R 2.0 10.1.<br>Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 3 | 10.1 Sea Trials | A section dedicated to Sea Trials has been added to the Technical Specification as 10.1.<br>Please refer to the Solicitation's Attachments available for download on BuyAndSell.gc.ca. | 1 |
| 4 | Drawings | The provided drawings and plans contain a wealth of information that must be taken into account along with the specifications.<br><br>CG has provided plans and conceptual drawings for the work to be completed. The plans and drawings have been completed by 3GA and are on file with TCM. The Contractor is to use these drawings to plan the work and is responsible to review the physical structure to the drawings and develop its own working drawings if needed to progress the work. If new working drawings are developed, then copies must be provided to the Technical Authority. If minor changes are made to the conceptual drawings, then the Contractor can have the changes marked in red and they must be provided to the Technical Authority. CG will raise a 1379 to have 3GA complete the final as fitted drawings that will be sent to TCM for final approval. The Contractor must allow 3GA on site in the Contractor's facility to confirm the details of the work in order to produce the as fitted drawings. This approach has been discussed with 3GA and they have developed a proposal that has been submitted to the CG. | 1 |
| 5 | General Section | CG has tried to go to a general section in its specifications. This section lists standards and approaches to many different types of work some that will be included in this work package and some that may not. As the title implies this is general information and is to be used as applicable. | 1 |

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| 6 | GSM | CG has purchased new components and material that is to be fitted during this work period.<br>The major components are:<br>• Sewage system<br>• Davit<br>• Replacement windows<br>• Certified E-36 plate:<br>CG has 27.5 meters square of ABS certified e-grade plate. There is a possibility that more will be required and purchased through the Contractor. There is not always a supply of plate on hand at the supplier and the Contractor must identify the requirement such that the schedule can accommodate delivery of additional plate.<br>• Bow thruster complete with new starter and all controls<br>• New starter for the existing Stern thruster<br>• New switch board<br>• Spares as listed in the refit section for refit work.<br>CG will determine what Items will be delivered on the ship and will make separate arrangements with the successful bidder for delivery of the other components. | 1 |
| 7 | Paint Specification | The paint specification has been provided as an Annex and is referenced in the individual specifications. The paint specification has been prepared by International Paint and reflects the Manufacturer's Recommended Procedures. The Contractor must ensure that correct curing times and overcoat times are to be built into its production schedule.<br><br>Special note must be taken for the correct application of curing times and overcoat times for coatings applied in the potable water tanks. The coating supplied for the potable water tanks are 100% solids and **NO** solvents can be introduced into the product. This includes solvents used to clean hoses and guns. It is strongly recommended that the Contractor utilise the expertise of an international paint rep in the development of the potable water tank painting plan. It is known that if solvents are introduced into the potable water tank painting process it will result in ethyl benzene being trapped in the paint and it will affect the quality of the water that is stored in the tanks. Health Canada prevents the use of potable water that has contaminant levels above certain limits and CG must comply. Water testing will be completed on the potable water supply prior to the vessel being put into service and any deviations from Health Canada purity levels will have to be corrected. | 1 |

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| 8 | Services | Many of the work items will require the inspection of TCM as identified in the specification. It is the responsibility of the Contractor to co-ordinate the inspection by TCM as required. Some of the items in the refit section of the specification are listed as Survey TCM, it is to be noted that survey is to be referenced when requesting TCM as it is noted on the Vessel's continuous survey records. The Contractor must ensure that TCM is given the opportunity to view equipment at sub-contractor's facilities as required. Major deviations from the provided plans and conceptual drawings are to be pointed out to the Technical Authority prior to work being started in order to allow TCM input if required. | 1 |
| 9 | Docking | The Contractor must note there is steel replacement required in the ballast tanks, the ship will be fitted with bilge keels and there will be a transducer pod fitted to the vessel and the vessel should be docked accordingly. Blocks should be positioned to allow the work to be completed or movable blocks should be used where required. The Contractor must be aware that the draft of the vessel will increase based on the new transducer pod and this must be accounted for when undocking the vessel. | 1 |
| 10 | Helicopter Deck | The strengthening of the helicopter deck requires the deck markings to be repainted. Information has been provided to detail the marking and it is critical that it is done correctly and if there are any clarifications required, they should be forwarded to the Technical Authority. | 1 |
| 11 | Switchboard Replacement | The switchboard is to be replaced with a GSM switchboard. The Contractor must determine the route for the removal and installation of the switchboard and is responsible to open up and remove material and equipment as required. The Contractor is also responsible to return the space back to the existing and this includes any testing required to replace removed hull plate. The shore power for the vessel is distributed through the existing switchboard and the Contractor is responsible to plan for temporary power to be provided. The temporary power is to be adequate to keep the ship in a safe condition, provide a good work environment in all weather conditions, and provide power to the ship's safety monitoring equipment. The Contractor must prepare a plan for providing temporary power and discuss it with the Technical Authority and on site project officer to ensure it is adequate. The specification calls for on-site representation from the switchboard builder. The Contractor must determine how much representation is required and schedule the FSR as required. The amount quoted will be adjusted as required. | 1 |
| 12 | Bow Thruster Replacement | The new thruster, controls and new soft starter are GSM. Manuals and Wartsilla installation information are available. | 1 |
| 13 | Bilge Keels | All steel required for the bilge keels must to be supplied by the Contractor. | 1 |
| 14 | Sewage Plant | The existing sewage plant has been flushed and will be drained as best as possible. | 1 |
| 15 | Davit Replacement | The existing davit and all components must be disposed of by the Contractor**.** | 1 |

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| 16 | Alarm and Monitoring Upgrade | CG has developed a replacement package with Techsol and they are fully aware of the work that is to be completed. This work was quoted as an individual work item so the quote is not valid but Techsol will know the details of the existing system. | 1 |
| 17 | Window Replacements | The replacement windows will be provided and the intention is to re-use as much of the casing material and interior finishing as possible. | 1 |
| 18 | Grey Water Tank Enlargement | The existing tank will be drained and flushed. | 1 |
| 19 | Reverse Osmosis Plant Overhauls | Lifestream is aware of the work required and should be able to provide a quote in order to allow you to develop your bid. | 1 |
| 20 | Fresh Water Tank Expansions | The fresh water tank expansion will be into the #2 Ballast tanks. There is work being completed in the #2 ballast tanks and the production schedule should consider the two work items so there is no conflict. It is critical that the potable water tanks and system are protected from contamination and it is the responsibility of the Contractor to plan their work accordingly. | 1 |
| 21 | Blister/Transducer pod installation | CG will supply one new 38 khz transducer to replace the existing failed unit. The transducer will be the same as the existing unit. | 1 |
| 22 | | To provide additional information to Bidders, additional drawings, manuals, and other documentation not specifically identified in the Technical Specifications and this Supplement may have been included in the Solicitation's Attachments that are available for download on BuyAndSell.gc.ca.<br>The bid must take into account the entire contents of the Solicitation's Attachments that are available for download on BuyAndSell.gc.ca. | 1 |
| 23 | | The Contractor must give a minimum of 20 days' notice of the date when the vessel will be habitable to allow crew to move on board. The date must be within the work period and allow the crew to prepare the vessel for sea trails. The Coast Guard will resume custody of the vessel once crew is living on the vessel. All work and sea trails must be completed within the work period and the Contractor must build the days to prepare the vessel for sea into its schedule. | 1 |
| 24 | | The Coast Guard will consider a resumption of custody of the vessel prior to the end of the identified work period. This will only be considered if all the work and testing is completed. The Coast Guard will require a minimum of 30 days' notice of an early delivery date in order to gather a crew and complete sea trails. | 1 |

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| 25 | VLE 4.0<br>Bow Thruster Upgrade | An upgrade to the starter panels to allow the new switchboard to control the thruster loads is required.<br><br>The following work is being **added** to the VLE 4.0 Bow Thruster Upgrade specification:<br><br>The Contractor must sub-contract Wartsila to develop install and test the following:<br>• Software update package for the CT150 Bow tunnel thruster<br>• Software update package for the CT125 Stern tunnel thruster<br>• Adjust drawings for updating system<br><br>Hardware:<br>• Required lamp and cable clamps to extend the existing cable clamp arrays to support the additional connections.<br><br>Installation:<br>• One full day of attendance by Wartsila FSR required to apply software upgrades, connect terminals, and complete testing.<br>*Note: Necessary cabling to be laid by the Contractor prior to Wartsila FSR attendance, terminals to be left disconnected. Cabling to be completed by 1379.<br><br>Wartsila will require 5 weeks to develop the software so the Contractor is required to issue a PO# to subcontract Wartsila immediately after contract award. The installation and testing will not occur until the new starters and bow thruster have been installed.<br><br>Contact:<br>Ryan McKinnon<br>Account Manager / Service Sales<br>Telephone: 604-649-2481<br>Email: ryan.mckinnon@wartsila.com | 1 |
| 26 | | A third site visit (vessel viewing) is not possible. | 1 |

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| 27 | VLE 15.1<br>Reconfigure Equipment in the Cargo Hold | Please refer to the "VLE 15-1 Added Work - Additional Information Item 27" folder in the Solicitation's Attachments available for download on BuyAndSell.gc.ca.<br><br>The following work is being **added** to the VLE 15.1 Reconfigure Equipment in the Cargo Hold specification as **C.1.8**:<br><br>The Contractor must arrange and secure items after the relocation of A-Frame Hydraulics as per the following electronic file:<br>• J12-5834A-1.12-4-Hold option3 Rev 1.jpg.<br><br>Additional information and requirements are identified in the following electronic files:<br>• A-FRAME STORAGE SHELF.jpg<br>• DECK WORKSHOP RELOCATIONS.jpg<br>• DIVE COMPRESSOR.jpg<br>• OLD ESCAPE HATCH.jpg<br>• PORT PILLAR & PARTITION.jpg<br>• STBD PILLAR & PARTITION.jpg<br>• A-FRAME CABINET RELOCATIONS.jpg<br><br>The original configuration of the space can be found in the following electronic file however it must be noted that there have been some items installed like the dive compressor since then:<br>• 3573_001 - Original configuration but there have been some items installed like the dive compressor since then.jpg | 1 |

**ALL OTHER INSTRUCTIONS, TERMS AND CONDITIONS REMAIN UNCHANGED.**