

**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

<b>Title - Sujet</b> LEONARD J COWLEY VLE REFIT- 2015	
<b>Solicitation No. - N° de l'invitation</b> F7049-140286/A	<b>Amendment No. - N° modif.</b> 013
<b>Client Reference No. - N° de référence du client</b> F7049-140286	<b>Date</b> 2015-02-03
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$MD-021-24828	
<b>File No. - N° de dossier</b> 021md.F7049-140286	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2015-02-09</b>	
<b>Time Zone</b> Fuseau horaire Eastern Standard Time EST	
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Byron, Dan	<b>Buyer Id - Id de l'acheteur</b> 021md
<b>Telephone No. - N° de téléphone</b> (819) 956-0691 ( )	<b>FAX No. - N° de FAX</b> (819) 956-7725
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>	

Instructions: See Herein

Instructions: Voir aux présentes

<b>Delivery Required - Livraison exigée</b>	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> Raison sociale et adresse du fournisseur/de l'entrepreneur	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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**Solicitation Amendment #13 is issued to:**

- (1) Replace H-19, section 3.1.1.7**
- (2) Replace H-19, section 3.1.2.7**
- (3) Replace H-19, section 3.1.3.6**
- (4) Delete H-20, section 3.1.13**
- (5) Replace H-20, section 3.1.14**
- (6) Replace Annex H - Appendix 1 Pricing Data Sheet in the Invitation to Tender**
- (7) Replace Annex H - Appendix 2 Cumulative Pricing Data Sheet in the Invitation to Tender**
- 8) Replace the Vessel Transfer Cost table in Part 6, Clause 6.3 of the solicitation document**
- 9) Replace the Vessel Transfer Cost tables in Annex H, part H6 of the solicitation document**
- (10) Modify Annex J- Deliverables/Certification in the Invitation to Tender**
- (11) Include the following Question and Answers into the Invitation to Tender.**

**(1) Replace H-19, section 3.1.1.7**

**DELETE: H-19, section 3.1.1.7 (in its entirety)**

**ADD: H-19, section 3.1.1.7**

3.1.1.7 Replace existing **two (2)** mixing dampers with **two (2)** new Ruskin SD36SS (T316SS) 36" x ~~24~~ **14** Control Damper ~~and Ruskin SD36SS (T316SS) 30" x 8~~  
**Control Damper.**

**(2) Replace H-19, section 3.1.2.7**

**DELETE: H-19, section 3.1.2.7 (in its entirety)**

**ADD: H-19, section 3.1.2.7**

3.1.2.7 Replace existing mixing dampers with new Ruskin SD36SS (T316SS) 36" x 24 Control Damper and Ruskin SD36SS (T316SS) ~~30" x 8~~ **24" x 9.5"** Control Damper.

**(3) Replace H-19, section 3.1.3.6**

**DELETE: H-19, section 3.1.3.6 (in its entirety)**

**ADD: H-19, section 3.1.3.6**

3.1.3.6 Replace existing mixing dampers with ~~(2)~~ Ruskin new SD36SS (T316SS) 36" x 84 Control Dampers, and new **Ruskin new SD36SS (T316SS) 34.5" x 84 Control Damper.**

**(4) Delete H-20, section 3.1.13**

**DELETE: H-20, section 3.1.13 (in its entirety)**

**(5) Replace H-20, section 3.1.14**

**DELETE: H-20, section 3.1.14 (in its entirety)**

**ADD: H-20, section 3.1.14**

**3.1.14 Air Handling Unit #2 Room**

~~Contractor is to replace existing motorized steel damper within this compartment with new stainless steel damper with bronze bushings. Contractor has to purchase new the actuators from Tri-Metal Fabricators their new upgrade. Tri-metal fabricators are the Original Equipment Manufacture (OEM) for this Air Handling unit. This motorized damper has been restricted from working properly due to a wall sleeve. Damper has been placed too close to the outside louver and can't open properly. Contractor is to modify wall sleeve so as to allow for proper function of damper.~~

**Damper size: 930mm x 670mm**

Contractor is to replace existing section of duct within this compartment due to rust buildup.

Ducting size 1.219m x 1.219m x 9.144m. Contractor to bid per 1.219m x 1.219m x 1.219m for adjustment purposes.

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**~~Contractor is to replace existing outside damper due to old not functioning properly.~~**

**~~Damper size: 900mm x 600mm~~**

**(6) Replace Annex H - Appendix 1 Pricing Data Sheet in the Invitation to Tender**

**DELETE: Annex H - Appendix 1 Pricing Data Sheet(in it entirety)**

**ADD: Annex H - Appendix 1 Pricing Data Sheet**

**ANNEX H - APPENDIX 1****PRICING DATA SHEETS**

Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
1	Preamble	Preamble		\$	\$	\$	\$	
2	H-01	Production Chart		\$	\$	\$	\$	
3	H-02	Services		\$	\$	\$	\$	
		3.2.4 Potable Water						\$ /m <sup>3</sup>
		3.2.6 Electrical Shore Power						\$ /kwh
		3.2.8 Crainage						Unit cost per lift \$ /Lift Hourly rate for use of crane \$ /Hr.
		3.2.17 Shelter						\$ /100 m <sup>2</sup>
31	H-03	Sea Trials		\$	\$	\$	\$	
4	H-04	Fixed Foam and Wet Chemical		\$	\$	\$	\$	
5	H-05	Fixed Smothering System		\$	\$	\$	\$	
6	H-06	Portable Fire Extinguishers		\$	\$	\$	\$	
7	H-07	Fire Fighting Suits, SCBA's and Cylinder		\$	\$	\$	\$	
9	H-08	Liferafts and HRU's		\$	\$	\$	\$	
57	H-09	Fuel Oil Piping/ Valve Replacement					\$	
		3.1.14 recondition pressure test Quick closing valve						\$ /valve
		3.1.16 remove/install 50 DNmm bulkhead fitting						\$ /bulkhead fitting
		3.1.16 remove/install 200 DNmm spool piece						\$ /spool
		3.1.18 remove/dispose of fuel oil						\$ /m <sup>3</sup>

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Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
		Sewage Treatment Tank Replacement		\$	\$	\$	\$	
		3.4.4 cabling supply /install						\$ /m
41	H-11 (rev 1)	Avgas Dispenser Unit Replacement		\$	\$	\$	\$	
		3.1.4						\$ /m <sup>3</sup>

Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
70	H-12	Flooring and Sub-flooring		\$	\$	\$	\$	
		3.1.10.4 Unit price for SP-6						\$ /m2
		3.1.10.5 Unit price for Amerlock 2 primer						\$ /m2
		3.1.10.6 Unit price for Dex-O-Tex Quick Set Undelayment (6.35 mm thick)						\$ /m <sup>2</sup>
		3.1.10.7 Unit price for Dex-O-Tex Terazzo M Fine Finish						\$ /m2
		3.1.10.7 Unit price for Cove Base Installation						\$ /m
		3.1.11.4 Unit price for SP-6						\$ /m2
		3.1.11.5 Unit price for Amerlock 2 primer						\$ /m2
		3.1.11.6 Unit price for Dex-O-Tex Quick Set Undelayment (6.35 mm thick)						\$ /m <sup>2</sup>
		3.1.11.7 Unit price for Dex-O-Tex Terazzo M Fine Finish						\$ /m2
		3.1.11.7 Unit price for Cove Base installation						\$ /m
		3.1.12. (a) and (b) Unit price for Surface preparation and cleaning						\$ /m2
		3.1.12 (c) Unit price for TM Bondcoat						\$ /m2
		3.1.12 (d) Unit price for Dex-O-Tex Terazzo M Fine Finish						\$ /m <sup>2</sup>
		3.1.12 (d) Unit price for Cove Base Installation						\$ /m
		3.1.13.6 Unit price for SP-6						\$ /m <sup>2</sup>
		3.1.13.7 Unit price for Amerlock 2 primer						\$ /m <sup>2</sup>
		3.1.13.8 Unit price for Dex-O-Tex Decklite A-60 Fire rated (35 mm thick)						\$ /m <sup>2</sup>
		3.1.13.9 Unit price for Dex-O-Tex Terazzo M Fine Finish						\$ /m <sup>2</sup>
		3.1.13.9 Unit price for Cove Base Installation						\$ /m

Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
		3.1.14.4 Unit price for SP-6						\$ /m <sup>2</sup>
		3.1.14.5 Unit price for Amerlock 2 primer						\$ /m <sup>2</sup>
		3.1.14.6 Unit price for Dex-O-Tex Decklite A-70 VLW (77 mm thick)						\$ /m <sup>2</sup>
		3.1.14.7 Unit price for T/M Bondcoat						\$ /m <sup>2</sup>
		3.1.14.8 Unit price for Carpet Tile						\$ /m <sup>2</sup>
		3.1.14.9 Unit price for Black Vinyl Base Installation						\$ /m
32	H-13	Bilge Cleaning		\$	\$	\$	\$	
		3.1.3 Unit price to clean						\$ /m <sup>2</sup>
		3.1.3 Unit price to Remove and dispose of liquids						\$ /m <sup>3</sup>
71	H-14	Panneling		\$	\$	\$	\$	
		3.1.8 Unit price to remove existing pannel						\$ /pannel
		Unit price to remove existing joiner strip						\$ /m
		3.1.8 Unit price to supply/install B Class M 51 Decorative Foil Pannel						\$ /pannel
		3.1.8 Unit price to supply/install Joiner strip for B Class M 51 Decorative Foil Pannel						\$ /pannel
		3.1.8 Unit price to supply/install outside corner for B Class M 51 Decorative Foil Pannel						\$ /pannel
		3.1.8 Unit price to supply/install inside corner for B Class M 51 Decorative Foil Pannel						\$ /pannel
69	H-15	Furniture and Cabinets		\$	\$	\$	\$	
		3.3.1 Desks ( quantity 14)		\$	\$	\$	\$	
		3.3.2 Vanities (custom fabrication) ( quantity 5)		\$	\$	\$	\$	
		3.3.3 Bunks (quantity 7)		\$	\$	\$	\$	
		3.3.4 Laundry Room Cabinet (quantity 1)		\$	\$	\$	\$	
		3.5.2.6 Book/Binder Shelves (quantity 2)		\$	\$	\$	\$	

Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
47	H-16	Galley Equipment Replacement		\$	\$	\$	\$	
46	H-17	Galley Flooring		\$	\$	\$	\$	
		3.6 Unit cost to supply and install non-skid quarry tile (and grout)						\$ /m <sup>2</sup>
		3.7 Unit cost to supply and install base plate tile (and grout)						\$ /m
60	H-18	Engin Room Supply Fans		\$	\$	\$	\$	
54	H-19	HVAC Units, Fans and Motors		\$	\$	\$	\$	
61	H-20	Trunking and Damping		\$	\$	\$	\$	
66	H-21	Fan Room Deck Repair		\$	\$	\$	\$	
		3.1.5 Unit price to remove/dispose of old flooring						\$ /m <sup>2</sup>
		3.1.5 Unit price to prepare and clean deck to SP-6						\$ /m <sup>2</sup>
		3.1.5 Unit price to coat deck with Amerlock 2 primer						\$ /m <sup>2</sup>
		3.1.5 Unit price for Dex o Tex Decklite Underlayment A60 (Fire Rated)						\$ /m <sup>2</sup>
		3.1.5 Unit price Dex o Tec Terrazzo M Fine Finish						\$ /m <sup>2</sup>
45	H-22	Fire Line Replacement		\$	\$	\$	\$	
63	H-23	Balast Pipe Replacement		\$	\$	\$	\$	
50	H-24	Domestic Fresh Water Piping		\$	\$	\$	\$	
42	H-25	Galley Cold Room Insulation		\$	\$	\$	\$	
62	H-26	Galley Cold Rooms Refrigeration		\$	\$	\$	\$	
59	H-27	Aviation Gas Damper Renewal		\$	\$	\$	\$	
8	H-28	Forward Machinery Space Deck Coating		\$	\$	\$	\$	
49	H-29	Lightship Survey, Inclining and Stability Book		\$	\$	\$	\$	
76	H-30	Flooring Hallways		\$	\$	\$	\$	
78	H-31	Flooring Washrooms		\$	\$	\$	\$	
77	H-32	Flooring Laundry Room		\$	\$	\$	\$	

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		Dry-docking		\$	\$	\$	\$	
								\$ /lay day
11	HD-02	Underwater Hull Inspection		\$	\$	\$	\$	
35	HD-03	Cathodic Protection		\$	\$	\$	\$	
		3.1.5 anode cable						\$ /5m
		3.1.6 bulkhead fitting						\$ /bulkhead fitting
36	HD-04	SW Cooling Anti-Fouling System		\$	\$	\$	\$	
12	HD-05	Sacrificial Hull Anodes		\$	\$	\$	\$	
13	HD-06	Underwater Hull Painting		\$	\$	\$	\$	
		3.1.2 Grit Blasting Unit Cost						\$ /m <sup>2</sup>
		3.2.4 Coating Unit cost						\$ /m <sup>2</sup>
51	HD-07	Scuppers and Drain Lines		\$	\$	\$	\$	
14	HD-08	Hull Painting Above Ice Belt		\$	\$	\$	\$	
15	HD-09	Hull Butts and Seams		\$	\$	\$	\$	

Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
33	HD-10	Hull Repairs		\$	\$	\$	\$	
		<b>1.4.13 Unit price to supply 8.5 mm steel plate</b>						\$ /m <sup>2</sup>
		<b>1.4.13 Unit price to supply 12.5 mm steel plate</b>						\$ /m <sup>2</sup>
		<b>1.4.13 Unit price to supply 14 mm steel plate</b>						\$ /m <sup>2</sup>
		1.10 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
		1.10.3 Unit Price for Supply and Installation of Insulation (aluminum on one side)						\$ /m <sup>2</sup>
		1.11 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
		1.11.3 Unit Price for Supply and Installation of Insulation (aluminum on one side)						\$ /m <sup>2</sup>
		1.12 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
		1.12.3 Unit Price for Supply and Installation of Insulation (aluminum on one side)						\$ /m <sup>2</sup>
		1.13 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
		1.14 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
		1.14.3 a) Unit Price for removal of panel						\$ /panel
		1.14.3 a) Unit Price for removal of Insulation						\$ /m <sup>2</sup>
		1.14.3 b)Unit Price for Supply and Installation of Insulation with aluminum on one side						\$ /m <sup>2</sup>
		1.14.4 b)Unit Price for Supply and Installation of Insulation with aluminum on one side						\$ /m <sup>2</sup>
		1.15 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
		1.15.3 a) Unit Price for removal/ire-install panel						\$ /panel

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		1.15.3 a) Unit Price for removal of insulation						\$ /m <sup>2</sup>
		1.15.3 b)Unit Price for Supply and Installation of Insulation (aluminum on one side)						\$ /m <sup>2</sup>
		1.15.4 a) Unit Price for removal of panel						\$ /panel
		1.15.4 a) Unit Price for removal of Insulation						\$ /m <sup>2</sup>
		1.15.4 b)Unit Price for Supply and Installation of Insulation with aluminum on one side						\$ /m <sup>2</sup>
		1.16 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
		1.16.4 b)Unit Price for Supply and Installation of Insulation with aluminum on one side						\$ /m <sup>2</sup>
		1.17 Unit price per m <sup>2</sup>						\$ /m <sup>2</sup>
16	HD-11	Valve Suction and Discharge		\$	\$	\$	\$	
17	HD-12	Stern tube Oil Change		\$	\$	\$	\$	
68	HD-13	Water Balast Tank #2 Port and Stbd		\$	\$	\$	\$	
		3.1.7 unit price for grit blast to SP-10						\$ /m <sup>2</sup>
34	HD-14	#3 Water Balast Tank Change to F.O. Tank		\$	\$	\$	\$	
		3.1 unit rate pumping/dispose						\$ /m <sup>3</sup>
		3.8 unit rate per access hole						\$ /hole
		3.1 unit rate coating						\$ /m <sup>2</sup>
18	HD-15	Bilge Keels		\$	\$	\$	\$	
		1.3 Unit Cost per meter of gouging and welding						\$ /m <sup>2</sup>
		3.1.3 Unit Cost for gas freing additional tank						\$ /tank
19	HD-16	Grey Water Tank		\$	\$	\$	\$	
38	HD-17	Port Miranda Davit Installation		\$	\$	\$	\$	
39	HD-18	Stbd Miranda Davit Installation		\$	\$	\$	\$	
75	HD-19	Fresh Water Tank		\$	\$	\$	\$	

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82	HD-20	Water Balast Tank #1 Port and Starboard		\$	\$	\$	\$	
83	HD-21	Water Balast Tank #4 Port and Starboard		\$	\$	\$	\$	
20	E-01 (rev 1)	Generator Engine Overhaul		\$	\$	\$	\$	
21	E-02	Bilge and Emergency Fire Pump		\$	\$	\$	\$	
22	E-03	Relief Valve Certification		\$	\$	\$	\$	
23	E-04 (rev 1)	Lifeboat and Davits Quinndrinnal		\$	\$	\$	\$	
		3.1.13 Unit cost to remove/inspect/re-inst all sheave						\$ /sheave
		3.1.13 Unit cost to remove/inspect/re-insall pin						\$ /pin
		3.1.13 Unit cost to remove/inspect/reinstall bushing						\$ /bushing
58	E-05	R.O Unit Suplpy Pipe Replacement		\$	\$	\$	\$	
73	E-06	Reverse Osmosis Unit #1 Aft.		\$	\$	\$	\$	
74	E-07	Reverse Osmosis Unit #2 fwd		\$	\$	\$	\$	
81	E-08	Panama Fairleads		\$	\$	\$	\$	
55	ED-01	Steering Gear Controls Upgrade		\$	\$	\$	\$	
24	ED-02	Stbd Main Engine Overhaul		\$	\$	\$	\$	
		3.1.7.6 unit price on to remove corroded cylinder hold down stud						\$ /stud
		3.1.13.6 unit price on machining cylinder block						\$ /block
		3.1.14.3 unit price on machining pump landing						\$ /pump landing

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37	ED-03	Port and Stbd Main Engine Controls		\$	\$	\$	\$	
		3.1.5 Unit rate for electrician per hour						\$ /hr
		3.1.6 Unit rate for welder/fire watch per hour						\$ /hr
65	ED-04	Stbd ME Silencer		\$	\$	\$	\$	
56	ED-05	Exhaust Piping Supports		\$	\$	\$	\$	
25	ED-06	Upper/Lower CPP Pump Overhaul		\$	\$	\$	\$	
67	ED-07	CPP OD Bopx Overhaul		\$	\$	\$	\$	
64	ED-08	Bow Thruster Contol Upgrade		\$	\$	\$	\$	
53	ED-09	Salt Water Cooling Water System Replacement		\$	\$	\$	\$	
<b>79</b>	<b>ED-10</b>	<b>Deck Hydraulics Forward</b>		\$	\$	\$	\$	
<b>80</b>	<b>ED-11</b>	<b>Deck Hydraulics Aft</b>		\$	\$	\$	\$	
26	L-01	Auxiliary Generators #1, #2, #3 Overhaul		\$	\$	\$	\$	
48	L-02 (rev 1)	Auxiliary Generators Electric governor upgrade		\$	\$	\$	\$	
27	L-03	Fire Detection System		\$	\$	\$	\$	
28	L-04	Megger Testing		\$	\$	\$	\$	
20	L-05	Thermoscan		\$	\$	\$	\$	
43	L-06	ICS and related systems supply and install		\$	\$	\$	\$	
		<b>3.1.33 unit cost for the supply and install of 20 wire hangers stainless</b>						\$ /20 hangars
30	L-07	Master Clock Replacement		\$	\$	\$	\$	
		3.1.6 Unit rate for roxtec or equal LRS gland						\$ /gland
		3.1.8 Unit rate for cable removal/disposal						\$ /m
		3.1.8 Unit rate for cable rerote						\$ /m
		3.1.8 Unit rate for cable supply and install						\$ /m

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40	L-08	Miranda Davit Electrical		\$	\$	\$	\$	
		3.5 Stbd Davit - Starters to MCR switchboard - Unit Price to supply and install per metre of cable						\$ /m
		3.5 Stbd Davit - Starters to MCR switchboard - Unit Price to supply and install per transit						\$ /transit
		3.5 Stbd Davit - Starters to MCR switchboard - Unit Price to supply and install per hangar						\$ /hangar
		3.5 Stbd Davit- Starters to Davit moror - Unit Price to supply and install per metre of cable						\$ /m
		3.5 Stbd Davit- Starters to Davit moror - Unit price to supply and install per transit						\$ /transit
		3.5 Stbd Davit- Starters to Davit moror - Unit price to supply and install per hangar						\$ /hangar
		3.5 Stbd Davit- Starters to Davit limits and start stop - Unit Price to supply and install per metre of cable						\$ /m
		3.5 Stbd Davit- Starters to Davit limits and start stop - Unit price to supply and install per transit						\$ /transit
		3.5 Stbd Davit- Starters to Davit limits and start stop - Unit price to supply and install per hangar						\$ /hangar
		3.5 Stbd Davit- Starters to Port Davitt starters interlock cables- Unit price to supply and install per cables						\$ /m

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Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
		3.5 Stbd Davit- Starters to Port Davitt starters interlock cables- Unit price to supply and install per transit						\$ /transit
		3.5 Stbd Davit- Starters to Port Davitt starters interlock cables- Unit price to supply and install per hangar						\$ /hangar
		3.5 Stbd Davit- 120 Volt power feed - Unit Price to supply and install per metre of cable						\$ /m
		3.5 Stbd Davit- 120 Volt power feed - unit price to supply and install per transit						\$ /transit
		3.5 Stbd Davit- 120 Volt power feed - unit price to supply and install per hangar						\$ /hangar
		3.5 Port Davit - Starters to MCR switchboard - Unit Price to supply and install per metre of cable						\$ /m
		3.5 Port Davit - Starters to MCR switchboard - Unit Price to supply and install per transit						\$ /transit
		3.5 Port Davit - Starters to MCR switchboard - Unit Price to supply and install per hangar						\$ /hangar
		3.5 Port Davit - Starters to Davitt motor - Unit Price per to supply and install metre of cable						\$ /m
		3.5 Port Davit - Starters to Davitt motor - Unit price to supply and install per transit						\$ /transit
		3.5 Port Davit - Starters to Davitt motor - Unit price to supply and install per hangar						\$ /hangar
		3.5 Port Davit - Starters to Davitt limits and start stop - Unit Price to supply and install per metre of cable						\$ /m

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Item # reference in ANNEX H Appendix 2	Spec. #	Description	Total Hours	Total Labour Cost	Total Material Cost	Total FSR& Sub- Contractors Cost	Total Firm Price	Unit Cost
		3.5 Port DPort Daviit limits- - Starters to Davit limits and start stop - Unit price to supply and install per transit						\$ /transit
		P3.5 ort DPort Daviit limits- - Starters to Davit limits and start stop - Unit price to supply and install per hangar						\$ /hangar
		3.5 Port Davit - 120 Volt power feed - Unit Price to supply and install per metre of cable						\$ /m
		3.5 Port Davit - 120 Volt power feed - unit price to supply and install per transit						\$ /transit
		3.5 Port Davit - 120 Volt power feed - unit price to supply and install per hangar						\$ /hangar
72	L-09	Navigation Light Installation		\$	\$	\$	\$	
		3.1.10 Unit Price to supply and install per metre of cable						\$ /m
		3.1.10 Unit price to supply and install per transit bulkhead penetration						\$ /penetration
52	L-10	FM200 Remote Alarm Added		\$	\$	\$	\$	

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**(7) Replace Annex H - Appendix 2 Cumulative Pricing Data Sheet in the Invitation to Tender**

**ADD: Annex H - Appendix 2 Cumulative Pricing Data Sheet**

**ANNEX H - APPENDIX 2**

**CUMULATIVE PRICING DATA SHEET**

**NOTES TO BIDDERS:**

(1) 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 \$9,000,000 (without exceeding), and no less than \$8,500,000.

(2) Skipping an entry of pricing/ cumulative pricing in the sequence will result in the bid being non responsive.

(3) Bidders are reminded that at no time can their cumulative pricing exceed the exposed budget amount of \$9,000,000.00. Bidders are to stop entering pricing/cumulative pricing information in appendix 2 at the point where their bid gets as close to the exposed budget (without exceeding). If the cumulative price exceeds \$9,000,000.00 the bid will be considered non responsive.

(4) The bidder can not stop bidding on spec items until a minimum cumulative price of \$8,500,000 is reached. If the minimum cumulative price does not exceeds \$8,500,000.00 the bid will be considered non responsive.

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(5) 10 points will be assigned to each spec item that the bidder has bid on. Bidders are reminded not to enter uncharacteristically low bid amounts on spec items that they do not intend on completing during the refit to acquire more cumulative points. The 1205 Acceptance process will remove two times the value to complete the spec items from the Contract Value (not two times the bid value).

(6) At the point where the bidder stops bidding, the cumulative bid price (not exceeding \$9,000,000.00) is to be entered into Annex H1 - Price for Evaluation, Item A Known Work.

(7) At the point where the bidder stops bidding, 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**.

(8) Spec Items that have not been bid on by the Contractor, will not be introduced as new work or work arising during the Contract.

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Item	Spec. #	Description	Total Firm Price	Cumulative Price	Points per spec	Cumulative points
1	Preamble	Preamble	\$	\$	10	10
2	H-01	Production Chart	\$	\$	10	20
3	H-02	Services	\$	\$	10	30
4	H-04	Fixed Foam and Wet Chemical	\$	\$	10	40
5	H-05	Fixed Smothering System	\$	\$	10	50
6	H-06	Portable Fire Extinguishers	\$	\$	10	60
7	H-07	Fire Fighting Suits, SCBA's and Cylinder	\$	\$	10	70
8	H-28	Forward Machinery Space Deck Coating	\$	\$	10	80
9	H-08	Liferafts and HRU's	\$	\$	10	90
10	HD-01	Dry-docking	\$	\$	10	100
11	HD-02	Underwater Hull Inspection	\$	\$	10	110
12	HD-05	Sacrificial Hull Anodes	\$	\$	10	120
13	HD-06	Underwater Hull Painting	\$	\$	10	130
14	HD-08	Hull Painting Above Ice Belt	\$	\$	10	140
15	HD-09	Hull Butts and Seams	\$	\$	10	150
16	HD-11	Valve Suction and Discharge	\$	\$	10	160
17	HD-12	Stern tube Oil Change	\$	\$	10	170
18	HD-15	Bilge Keels	\$	\$	10	180
19	HD-16	Grey Water Tank	\$	\$	10	190
20	E-01 (rev 1)	Generator Engine Overhaul	\$	\$	10	200
21	E-02	Bilge and Emergency Fire Pump	\$	\$	10	210
22	E-03	Relief Valve Certification	\$	\$	10	220
23	E-04 (rev 1)	Lifeboat and Davits Quinndrinnal	\$	\$	10	230
24	ED-02	Stbd Main Engine Overhaul	\$	\$	10	240
25	ED-06	Upper/Lower CPP Pump Overhaul	\$	\$	10	250
26	L-01	Auxiliary Generators #1, #2, #3 Overhaul	\$	\$	10	260
27	L-03	Fire Detection System	\$	\$	10	270
28	L-04	Megger Testing	\$	\$	10	280
29	L-05	Thermoscan	\$	\$	10	290
30	L-07	Master Clock Replacement	\$	\$	10	300
31	H-03	Sea Trials	\$	\$	10	310
32	H-13	Bilge Cleaning	\$	\$	10	320
33	HD-10	Hull Repairs	\$	\$	10	330
34	HD-14	#3 Water Balast Tank Change to F.O. Tank	\$	\$	10	340
35	HD-03	Cathodic Protection	\$	\$	10	350
36	HD-04	SW Cooling Anti-Fouling System	\$	\$	10	360
37	ED-03	Port and Stbd Main Engine Controls	\$	\$	10	370
38	HD-17	Port Miranda Davit Installation	\$	\$	10	380
39	HD-18	Stbd Miranda Davit Installation	\$	\$	10	390
40	L-08	Miranda Davit Electrical	\$	\$	10	400
41	H-11 (rev 1)	Avgas Dispenser Unit Replacement	\$	\$	10	410
42	H-25	Galley Cold Room Insulation	\$	\$	10	420
43	L-06	ICS and related systems supply and install	\$	\$	10	430
44	H-10	Sewage Treatment Tank Replacement	\$	\$	10	440
45	H-22	Fire Line Replacement	\$	\$	10	450

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Item	Spec. #	Description	Total Firm Price	Cumulative Price	Points per spec	Cumulative points
46	H-17	Galley Flooring	\$	\$	10	460
47	H-16	Galley Equipment Replacement	\$	\$	10	470
48	L-02 (rev 1)	Auxiliary Generators Electric governor upgrade	\$	\$	10	480
49	H-29	Lightship Survey, Inclining and Stability Book	\$	\$	10	490
50	H-24	Domestic Fresh Water Piping	\$	\$	10	500
51	HD-07	Scuppers and Drain Lines	\$	\$	10	510
52	L-10	FM200 Remote Alarm Added	\$	\$	10	520
53	ED-09	Salt Water Cooling Water System Replacement	\$	\$	10	530
54	H-19	HVAC Units, Fans and Motors	\$	\$	10	540
55	ED-01	Steering Gear Controls Upgrade	\$	\$	10	550
56	ED-05	Exhaust Piping Supports	\$	\$	10	560
57	H-09	Fuel Oil Piping/ Valve Replacement	\$	\$	10	570
58	E-05	R.O Unit Supply Pipe Replacement	\$	\$	10	580
59	H-27	Aviation Gas Damper Renewal	\$	\$	10	590
60	H-18	Engin Room Supply Fans	\$	\$	10	600
61	H-20	Trunking and Damping	\$	\$	10	610
62	H-26	Galley Cold Rooms Refrigeration	\$	\$	10	620
63	H-23	Balast Pipe Replacement	\$	\$	10	630
64	ED-08	Bow Thruster Control Upgrade	\$	\$	10	640
65	ED-04	Stbd ME Silencer	\$	\$	10	650
66	H-21	Fan Room Deck Repair	\$	\$	10	660
67	ED-07	CPP OD Bopx Overhaul	\$	\$	10	670
68	HD-13	Water Balast Tank #2 Port and Stbd	\$	\$	10	680
69	H-15	<b>Furniture and Cabinets</b>	\$	\$	10	690
70	H-12	Flooring and Sub-flooring	\$	\$	10	700
71	H-14	Panneling	\$	\$	10	710
72	L-09	Navigation Light Installation	\$	\$	10	720
73	E-06	Reverse Osmosis Unit #1 Aft	\$	\$	10	730
74	E-07	Reverse Osmosis Unit #2 fwd	\$	\$	10	740
75	HD-19	Fresh Water Tank	\$	\$	10	750
76	H-30	Flooring Hallways	\$	\$	10	760
77	H-32	Flooring Laundry Room	\$	\$	10	770
78	H-31	Flooring Washrooms	\$	\$	10	780
79	ED-10	Deck Hydraulics Fwd	\$	\$	10	790
80	ED-11	Deck Hydraulics Aft	\$	\$	10	800
81	E-08	Panama Fairleads	\$	\$	10	810
82	HD-20	Water Balast Tank #1 Port and Starboard	\$	\$	10	820
83	HD-21	Water Balast Tank #4 Port and Starboard	\$	\$	10	830
		<b>TOTAL BID PRICE</b>	\$	\$		

8) Replace the Vessel Transfer Cost table in Part 6, Clause 6.3 of the solicitation document,

**DELETE: Part 6, Clause 6.3 (in it entirety)**

## ADD: Part 6, Clause 6.3

### 6.3 Vessel Transfer Costs

Vessel Transfer Costs will apply to the evaluation price of this solicitation.

1. The evaluation price must include the cost for transferring the vessel from its home port to the shipyard/ship repair facility where the Work will be performed and the cost of transferring the vessel to its home port following completion of the Work, in accordance with the following:

(a) The Bidder must provide the location of the shipyard/ship repair facility where it proposes to perform the Work together with the applicable vessel transfer cost from the list provided under paragraph 2 of this clause shall be entered into Table H1 (D):

(b) If the list in paragraph 2 of this clause does not provide the shipyard/ship repair location where the Bidder intends to perform the Work, then the Bidder must advise the Contracting Authority, in writing, at least **10 calendar days** before the bid closing date, of its proposed location for performing the Work. The Contracting Authority will confirm to the Bidder, in writing, at least **5 calendar days** before the bid closing date, the location of the shipyard/ship repair and the applicable vessel transfer cost.

A bid that specifies a location for executing the Work which is not on the list of paragraph 2 of this clause, and for which a notification in writing has not been received by the Contracting Authority as required above, will be considered non-responsive.

2. List of shipyard/ship repair facilities and applicable vessel transfer costs

Vessel:	CCGS Leonard J Cowley
Home port:	St. John's, NL

Transfer costs in the case of vessels transferred using a government delivery crew include the fuel cost at the vessel's most economical speed of transit and for unmanned refits only, crew transportation costs for the delivery crew based on the location of the vessel's home port and the shipyard/ship repair facility. Crew transportation costs do not include any members of the delivery crew who remain at the shipyard/ship repair facility in order to discharge project responsibilities related to the vessel being transferred.

Transfer costs in the case of vessels transferred unmanned by either commercial towing, railway, highway or other suitable means of transportation must be:

(i) included as part of the Bidder's financial bid in the case where the Bidder is responsible for the transfer; or

(ii) identified as the applicable vessel transfer cost, as given in the list below, in the case when Canada is responsible for the transfer.

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**Shipyard/ship repair facility**

**Applicable vessel transfer cost**

<b>Company</b>	<b>City</b>	<b>Transfer Cost Un-Manned</b>
CME	North Sydney NS	C\$28,208.00
New Dock, St. John's Dockyard Ltd.	St. John's	C\$0.00
Halifax Shipyards Ltd.	Halifax	C\$37,752.00
Shelburne Marine.	Shelburne	C\$42,479.00
Group Verreault Navigation Inc.	Les Mechins	C\$62,280.00
Davie Canada Yard Inc.	Levis	C\$61,296.00
Heddle Marine Service Inc.	Hamilton	C\$87,740.00
Pictou Shipyard	Pictou	C\$35,324.00
Ocean Industries Inc.	<b>Quebec</b>	<b>C\$61,296.00</b>

**Proposed Drydocking Location :** \_\_\_\_\_

**Refer to Annex "J1" for Deliverables/Certifications.**

## 9) Replace the Vessel Transfer Cost tables in Annex H, part H6 of the solicitation document

**DELETE: Annex H, part H6 (in its entirety)**

**ADD: Annex H, part H6**

### H6 Vessel Transfer Costs

1. The evaluation price must include the cost for transferring the vessel from its home port to the shipyard/ship repair facility where the Work will be performed and the cost of transferring the vessel to its home port following completion of the Work, in accordance with the following:

(a) The Bidder must provide the location of the shipyard/ship repair facility where it proposes to perform the Work together with the applicable vessel transfer cost from the list provided under paragraph 2 of this clause shall be entered into Table H1:

(b) If the list in paragraph 2 of this clause does not provide the shipyard/ship repair location where the Bidder intends to perform the Work, then the Bidder must advise the Contracting Authority, in writing, at least 5 calendar days before the bid closing date, of its proposed location for performing the Work. The Contracting Authority will confirm to the Bidder, in writing, at least 3 calendar days before the bid closing date, the location of the shipyard/ship repair and the applicable vessel transfer cost.

A bid that specifies a location for executing the Work which is not on the list of paragraph 2 of this clause, and for which a notification in writing has not been received by the Contracting Authority as required above, will be considered non-responsive.

2. List of shipyard/ship repair facilities and applicable vessel transfer costs

Vessel: CCGS Leonard J Cowley  
Home port: St. John's, NL

Transfer costs in the case of vessels transferred using a government delivery crew include the fuel cost at the vessel's most economical speed of transit and for unmanned refits only, crew transportation costs for the delivery crew based on the location of the vessel's home port and the shipyard/ship repair facility. Crew transportation costs do not include any members of the delivery crew who remain at the shipyard/ship repair facility in order to discharge project responsibilities related to the vessel being transferred.

Transfer costs in the case of vessels transferred unmanned by either commercial towing, railway, highway or other suitable means of transportation must be:

(i) included as part of the Bidder's financial bid in the case where the Bidder is responsible for the transfer; or

(iii) identified as the applicable vessel transfer cost, as given in the list below, in the case when Canada is responsible for the transfer.

**Shipyard/ship repair facility cost****Applicable vessel transfer cost**

Company	City	Transfer Cost un-Manned
CME	North Sydney NS	C\$28,208.00
New Dock, St. John's Dockyard Ltd.	St. John's	C\$0.00
Halifax Shipyards Ltd.	Halifax	C\$37,752.00
Shelburne Marine.	Shelburne	C\$42,479.00
Group Verreault Navigation Inc.	Les Mechins	C\$62,280.00
Davie Canada Yard Inc.	Levis	C\$61,296.00
Heddle Marine Service Inc.	Hamilton	C\$87,740.00
Pictou Shipyard	Pictou	C\$35,324.00
Ocean Industries Inc.	<b>Quebec</b>	<b>C\$61,296.00</b>

**(10) Modify Annex J- Deliverables/Certification in the Invitation to Tender****DELETE: Annex J- Deliverables/Certification (in its entirety)****ADD: Annex J- Deliverables/Certification****ANNEX J****DELIVERABLES/CERTIFICATIONS****J1 Mandatory Tender Deliverables Check List**

Notwithstanding deliverable requirements specified within the bid solicitation and its associated Technical Specification (Annex A), mandatory deliverables that must be submitted with the Bidder's tender to be deemed responsive are summarized below.

The Bidder must submit a completed Annex "J1" Deliverables/ Certifications.

The following are mandatory and the Bidder's submission will be evaluated against the requirements as defined herein. The Bidder must be determined to be compliant on each item to be considered responsive.

Item	Description	Completed and Attached
1	Invitation To Tender document, <b>(and all issued amendments)</b> part 1 page 1 completed and signed;	
2	Completed Annex "H" Financial Bid Presentation Sheet", clauses <b>H1</b> through <b>H6</b> ;	
3	Completed Pricing Data Sheets, per clause 3.1 Section II, Annex "H",Appendix 1;	
4	Completed Cumulative Pricing Data Sheets, per clause 3.1 Section II, Annex "H",Appendix 2;	
5	Completed Annex "J1" Deliverables/Certifications;	

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6	Changes to Applicable Laws (if any), as per clause 2.4	
7	Integrity Provisions - Associated Information, section 5.1.1	
8	Federal Contractors Program for Employment Equity, Complete section 5.1.2	
9	Vessel Transfer Cost, as per clause 6.3 and Annex "H"	
10	Docking Facility, as per clause 6.4	
11	Proof of good standing with Worker's Compensation Board, as per clause 6.5	
12	Proof of valid Labor Agreement or similar instrument covering the work period, as per clause 6.6	
13	Preliminary Work Schedule , per clause 6.7;	
14	Fueling and Disembarking Procedures, as per clause 6.8;	
15	If Registered its Valid ISO 9001-2008 Certification, as per clause 6.9	
16	Objective evidence of documented Health and Safety System, as per clause 6.10;	
17	Objective evidence of documented Fire Protection, Fire Fighting and Training Procedure, as per clause 6.11	
18	Insurance Requirements, as per clause 6.13	
19	Proof of welding certification, as per clause 6.14	
20	Project Management as per clause 6.15	
21	List of subcontractors, as per clause 6.16	
22	Example of its Quality Control Plan, as per clause 6.17	
23	Example of an Inspection and Test Plan as per clause 6.18	
24	Details of Environmental Emergency Response Plan, Details of Formal Environmental Training as per Clause 6.19	

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**J2 Deliverables after Contract Award**

Item	Description	Reference	Due By
1	Insurance requirements as per Annex "D"	Clause 7.11 and Annex "D"	10 Working Days after contract award
2	Revised Work Schedule	Clause 7.15	5 calendar days after contract award
3	Contract Financial Security	Clause 7.13	5 Working Days after contract award
4	The Contractor's Quality Control Plan	Clause 7.20	5 calendar days after contract award
5	The list of Government specialized loaned equipment that the Contractor intends to request.	Clause 7.27	3 calendar days after contract award

**J3 Deliverables Prior to Contract Award (If Requested)**

Item	Description	Reference	Due By
1	Financial Capability	Clause 6.1	5 Working Days prior to contract award if requested

**(11) Include the following Question and Answers into the Invitation to Tender.**

**ADD:**

Question number	Question	Answer
86	ED-08 : Is it possible to clarify the type and size of the cable required by Rolls Royce?	<p>Wiring runs to be bid on by contractor. To be confirmed with Rolls Royce before start of work and any existing runs that can be re-used will be credited. As well any runs not included below to be negotiated by 1379. All Lengths are approximate. All cable sizes are denoted on block diagrams. Final wiring to be confirmed by Rolls Royce.</p> <p>New wiring. Block diagram included in Bow Thruster 12S000370_Chapter4_System_dwg.pdf documentation included in bid package • TT 560 Main bridge panel to starter panel in bow thruster compartment . 50 meters, 15 transits • TT 561, TT562, TT563 Main emergency stop to slave emergency stops (3 cables, 20meters each, 2 transits each). • TT563, TT566, TT567, TT568, TT010, TT012, TT014, TT016 24vdc supply fed from supply connected to UN 1 electronic module. (Note that controls at individual stations will be adjacent to each emergency stop for that station) (3 - 20meter runs with 2 transits each and 4 – 2 meter runs for adjacent e stops. • TT011, TT013, TT015, TT017 twisted shielded pair between each control station, 20 meters each with 2 transits per cable.. • TT100 pitch feedback cable to bowthruster compartment, 50 meters, 15 transits. • TT110 control cable from UN1 bridge electronic unit to UN131 bow thruster connection box (new) in bow thruster compartment ( 50 meters, 15 transits). • TT553 and TT554 control cable from UN1 bridge electronic unit to motor starter in bow thruster compartment (50 meters, 15 transits ). • TT111 Pitch control valve, UN131 to valve , bow thruster compartment, ~ 10meter run. • TT531 Low servo Oil pressure, UN131 to Pressure switch , bow thruster compartment, ~ 10meter run. • TT550 Low oil interlock, UN131 to pressure switch , bow thruster compartment, ~ 10meter run. • TT532 High oil pressure, UN131 to pressure switch , bow thruster compartment, ~ 10meter run. • TT450 Clogged oil filter, UN131 to pressure switch , bow thruster compartment, ~ 10meter run.</p>

87	H-20, 3.1.13 and 3.1.14 AHU no3 and no2. Are those items included in the spec H-19 3.2.1 and 3.1.3? Seem that the damper and actuator are there twice in the spec.	<p>H-19 HVAC Units, Fans &amp; Motors <span style="float: right;">3.1.1.7</span>  Replace existing (2) mixing dampers with (2) new Ruskin SD36SS (T316SS) 36" x 24 1/4" Control Damper and Ruskin SD36SS (T316SS) 30" x 8" Control Damper.</p> <p>3.1.2.7 Replace existing mixing dampers with new Ruskin SD36SS (T316SS) 36" x 24" Control Damper and Ruskin SD36SS (T316SS) 30" x 8 2/4" x 9 1/2" Control Damper.</p> <p>3.1.3.6 Replace existing mixing dampers with (2) Ruskin new SD36SS (T316SS) 36" x 84" Control Dampers and new Ruskin SD36SS (T316SS) 34 1/2" x 84" Control Damper.</p> <p>H-20 Trunking &amp; Dampers <span style="float: right;">3.1.13</span>  Air Handling Unit #3 Room Contractor is to replace two existing steel dampers with two new 316 stainless steel dampers with bronze bushings. Contractor has to purchase new the actuators from Tri-Metal Fabricators their new upgrade. Tri-metal fabricators are the Original Equipment Manufacture (OEM) for this Air Handling unit. Dampers measured at: 2.2m x 880mm and 2.1m x 930mm. Contractor is to replace six existing filter racks with new stainless steel filter racks.</p> <p>3.1.14 Air Handling Unit #2 Room Contractor is to replace existing motorized steel damper within this compartment with new stainless steel damper with bronze bushings. Contractor has to purchase new the actuators from Tri-Metal Fabricators their new upgrade. Tri-metal fabricators are the Original Equipment Manufacture (OEM) for this Air Handling unit. This motorized damper has been restricted from working properly due to a wall sleeve. Damper has been placed too close to the outside louver and can't open properly. Contractor is to modify wall sleeve so as to allow for proper function of damper.  Damper size: 930mm x 670mm. Contractor is to replace existing section of duct within this compartment due to rust buildup.  Ducting size 1.219m x 1.219m x 9.144m. Contractor to bid per 1.219m x 1.219m x 1.219m for adjustment purposes. Contractor is to replace existing outside damper due to old not functioning properly. Damper size: 900mm x 600mm</p>
88	H-27, 2.4.2 Is it possible to have the specification of the damper that we have to supply?	In reference to H-27 Avgas Damper Renewal this is owner supplied. The available information for the dampers was presented in Solicitation Amendment #9
89	ED-05 : Do we have to replace the steel support welded to the exhaust pipe and ship structure or only the cushions, components, shock, etc...?	In reference to ED-05, no steel support has to be welded. Just the cushions, support brackets and other components which are listed for the contractor supply are to be changed out
90	ED-08 : Anglais 2.4 : All equipment owner supplied except cables? French 2.4 : All equipment contractor supplied?	For ED-08 2.4 all equipment is owner supplied with the exception of the required wiring. The English version is the correct one.

91	<p>In reference to Amendment 009</p> <p>1. E-04 – CCG Revised Spec</p> <p>a. When will this revised spec be made available?</p> <p>2. H-09 – Keystone valves</p> <p>a. As contractor is to supply 2 keystone valves, should reference to allowance be removed from 7th paragraph on page 8 of 17?</p>	<p>E-04 was amended in Solicitation Amendment 5. No the allowance remains in H-09, bidders are to use the allowance to cover the cost of the two valves, to be adjusted by 1379.</p>
92	<p>HD-15, 1.2 : Gas free of the fuel oil tank will be cover by 1379 if required?</p>	<p>see reply on question 34</p>
93	<p>H-13 Bilge Cleaning:</p> <p>1. 3.1.2 – Is the total area to be bid 236 m2 (= 134 + 25 + 56 + 21 m2) and to be adjusted by 1379 based on actual area?</p>	<p>Yes total area is 236m2 which is the total off all areas listed. Noted the contractor must bid per one m2 also for adjustment purpose.</p>
94	<p>HD-10. 1.2.1.2 1. Is it acceptable to substitute the plate thickness requirement with Imperial measurements ?</p> <p>a. Substitute 14mm with 9/16"</p> <p>b. Substitute 8.5mm with 5/16"</p> <p>c. Substitute 12.5mm with 1/2".</p>	<p>The imperial Hull thickness measurements can be used only if the thickness of the imperial unit is equal to or greater than the equivalent in metric units noted. It cannot be less as is the case when comparing 8.5mm to 5/16 of an inch.</p>

<p>95</p>	<p>On pricing data sheet Annex H- Appendix 1, I have questions on how it is to be bid.</p> <p>In item HD-10 Hull repairs, a. line 1.10 calls for Unit Price for Strake (\$/strake) b. Line 1.10.3 Calls for unit price for supply and installation of insulation (aluminum one side) (\$/m2)</p> <p>Is line 1.10 to mean insert, or is it to be broken down to some other metric (ie square foot)?</p> <p>Line 1.10.3 in the spec talks about removing items such as rope, and any other components. It also discusses installing perf metal, but there is no where to include these prices on the pricing data sheet.</p>	<p>will be revised</p>
<p>96</p>	<p>HD-10 Hull repairs, 1.9 Hull plating and structure known work, Item 1.9.3,c. Item 3 - shell plate, <b>portside....</b>, At item 1.12.1, it said that the same plate is on starboard side. The plate to be replaced is on port or starboard side?</p>	<p>Item 1.12.1 refers to Item c in 1.9.3. This strake is on the portside only. It is in way of the ballast tank.</p>

<p>97</p>	<p>HD-10 Hull repairs, 1.9 Hull plating and structure known work, Item 1.9.3,c. Item 3 - shell plate, <b>portside....</b>, Item 1.12.1 : This seems to be a repetition of the item 1.11.2. Same for 1.12.3 and 1.11.3. The only problem is that there is no pump room, no hydraulics motor and voids space beneath. According to the drawing # 2014-VLE-01_Leonard J Cowley Shell expansion - VLE Renewals.pdf, all the steel to be replace is in the ballast tank</p>	<p>1.12 Item 3 – Shell Plate will be revised as follows  1.12.1 The Contractor must replace the 14 mm plating as indicated on drawing 2014-VLE, Cowley Shell Expansion–VLE Renewals. The area is bounded between frames 23 and frame 28, and from approximately the vessel’s 4500 side GRDR outboard in way of the Water Ballast tank. Portside.  1.12.2 The area affected by these repairs includes the structure in way of the water ballast tank.  1.12.3 Estimated plating: Qty: 1 x 3500 mm x 3500 mm x 14mm, Lloyd’s Grade ‘E’.</p>
<p>98</p>	<p>I need some clarification on HD-10 – 1.9 : Hull plating and structure known work, 1.16 item 7 – Shell plate</p> <p>According to the drawing # 2014-VLE-01_Leonard J Cowley Shell expansion - VLE Renewals.pdf, we need to replace all plating on portside including the 19mm plate in way of the anchor rest.</p> <p>In the spec, there is nothing at item 1.16 that we have to replace the 19mm plate. It’s only question of the 8.5mm plate. Do we need to replace the 19mm plate?</p> <p>I made a quick sketch for better explanation.</p>	<p>Item 1.16 refers to the 8.5mm plate only. The 19mm plate associated with the anchor rest is not to be included.</p>

	<p>In blue : This is the 8.5 mm plate to replace according to the spec.</p> <p>In yellow : This is the 19mm plate in way of the anchor rest.</p> <p>If we need to change both plate, is it possible to have more information about the other plate around the anchor pipe as shown in the photo P1131747?(grade + thickness) This plate is not on the shell expansion drawing.</p>	
99	<p>In part 1: SCOPE, of spec item H-11, 1.2 notes that a fueling access hatch is to be put in the deck. Is the fueling hatch supplied?</p>	<p>No this is the fueling hatch that the contractor has to fabricate as per drawings listed in 2.1.2 102-08-02 or purchase and install as per drawing.</p>

100	H-20, 3.1.13 and 3.1.14 AHU no3 and no2. Are those items included in the spec H-19 3.2.1 and 3.1.3? Seem that the damper and actuator are there twice in the spec.	<p>H-19 HVAC Units, Fans &amp; Motors <span style="float: right;">3.1.1.7</span>  Replace existing (2) mixing dampers with (2) new Ruskin SD36SS (T316SS) 36" x 24 1/2" Control Damper and Ruskin SD36SS (T316SS) 30" x 8" Control Damper.</p> <p>3.1.2.7 Replace existing mixing dampers with new Ruskin SD36SS (T316SS) 36" x 24" Control Damper and Ruskin SD36SS (T316SS) 30" x 8 24" x 9 1/2" Control Damper.</p> <p>3.1.3.6 Replace existing mixing dampers with (2) Ruskin new SD36SS (T316SS) 36" x 84" Control Dampers and new Ruskin SD36SS (T316SS) 34 1/2" x 84" Control Damper.</p> <p>H-20 Trunking &amp; Dampers <span style="float: right;">3.1.13</span>  Air Handling Unit #3 Room Contractor is to replace two existing steel dampers with two new 316 stainless steel dampers with bronze bushings. Contractor has to purchase new the actuators from Tri-Metal Fabricators their new upgrade. Tri-metal fabricators are the Original Equipment Manufacture (OEM) for this Air Handling unit. Dampers measured at: 2.2m x 880mm and 2.1m x 930mm. Contractor is to replace six existing filter racks with new stainless steel filter racks.</p> <p>3.1.14 Air Handling Unit #2 Room Contractor is to replace existing motorized steel damper within this compartment with new stainless steel damper with bronze bushings. Contractor has to purchase new the actuators from Tri-Metal Fabricators their new upgrade. Tri-metal fabricators are the Original Equipment Manufacture (OEM) for this Air Handling unit. This motorized damper has been restricted from working properly due to a wall sleeve. Damper has been placed too close to the outside louver and can't open properly. Contractor is to modify wall sleeve so as to allow for proper function of damper.  Damper size: 930mm x 670mm. Contractor is to replace existing section of duct within this compartment due to rust buildup.  Ducting size 1.219m x 1.219m x 9.144m. Contractor to bid per 1.219m x 1.219m x 1.219m for adjustment purposes. Contractor is to replace existing outside damper due to old not functioning properly. Damper size: 900mm x 600mm</p>
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END OF SOLICITATION AMENDMENT #13

