

Bidders Conference Minutes

Drydocking- CCGS Henry Larsen

March 9, 2023

Start Date: April 21, 2023

End Date: June 30, 2023

Attendees:

Colleen Dalton PSPC

Brian Cross CCG

Steve McInnis CCG

Neil McDonald CCG

Representative from NewDock (in person)

Representatives from Chantier Davies (online)

Representatives from Heddle Marine (online)

### **G 1.0 General Notes**

No comments

### **S.1 Services**

No issues

### **10.1 Miranda Davit 5 Year Overhaul**

10.1.3.37.1 Contractor will supply 1 person x 7 days x 10 hours per day to assist the Palfinger FSR. This will be adjusted by 1379 based on final invoice.

10.1.3.37.2 Palfinger Canada is to be the only Approved contractor for this work.

### **10.2 Life Rafts**

No issues

### **10.3 Port and Starboard Lifeboat 5 Year Inspections**

10.3.3.13.1 Contractor will supply 1 person x 3 days x 10 hours per day to assist the Palfinger FSR. This will be adjusted by 1379 based on final invoice.

10.3.3.13.2 Palfinger Canada is to be the only Approved contractor for this work.

**10.4 Port and Starboard Lifeboat Davits 5 Year Inspections**

10.4.3.15.1 Contractor will supply 1 person x 4 days x 10 hours per day to assist the Palfinger FSR. This will be adjusted by 1379 based on final invoice.

10.4.3.15.2 Palfinger Canada is to be the only Approved contractor for this work.

10.4.3.15.3 Contractor to include an allowance of \$2,000.00 to cover any parts such as hoses and fittings. This allowance will be adjusted by a 1379 based on final invoices.

**10.5 Fixed FM200 and CO2 Systems Annual Maintenance**

No issues

**10.6 Ansul Fixed Foam System**

No issues

**10.7 Fire Detection System**

No issues

**10.8 Air Receiver Survey**

No issues

**10.9 Relief Valve Certification**

No issues

**10.10 Accommodation HVAC Cleaning**

10.10.3.2.1. Contractor to include an allowance of \$5,000.00 to cover Lead testing of HVAC ducting and any remediation required. The company carrying out this work must be certified for the testing and remediation of Lead. Any remediation debris must be disposed of in a safe manner according to local guidelines. This allowance will be adjusted by a 1379 based on final invoices.

**10.11 Accommodation Washroom Exhaust Duct Cleaning**

No issues

**10.12 Galley Range Hood and Exhaust Duct Cleaning**

No issues

**10.13 Laundry Dryer Exhaust Duct Cleaning**

No issues. The C/E did voice concerns that sometimes the work is not done satisfactory and it will be the contractors responsibility to make sure whoever they contract to do the work it is done correctly.

**10.14 Machinery Space Bilge Cleaning**

No issues

### **11.1 Drydocking**

No issues

### **11.2 Docking Plugs**

No issues

### **11.3 Sea Trials**

No issues

### **11.4 Hull Butts and Seams**

No issues

### **11.5 Hull Coatings**

11.5.3.34.1 Hoarding is mandatory

### **11.6 Ship Side Discharge Valves and Suction Valves**

Valves to be removed from ship and brought to contractors' shop. No additional bench test required.

### **11.7 Fuel Oil and Lube Oil Tanks**

11.7.3.16.1 Referring to section 11.7.3.7 – Contractor will include costing for 1.0 m<sup>2</sup> of rusty area to be power tooled clean and a per 1.0m<sup>2</sup> pricing for additional areas if required. This total will be adjusted by a 1379 based on final invoicing.

### **11.8 Sea Bay and Sea Chest Anodes**

Allowance added for \$2,000.00 for cables and components. Adjusted by 1379 based on invoices.

### **11.9 Sea Bay and Sea Chest Cleaning and Coating**

International products to be used.

### **11.10 Bubbler Piping Repairs**

No issue. All work will be in a confined space.

### **11.11 Bubbler Check Valve Repairs**

No issues

### **11.12 Propulsion Motor Room Tank Top Coating Renewal**

No issues

### **11.13 Accommodation Deck Repairs**

No issues

### **12.1 Propulsion Motor Mitchell Bearing Inspection**

12.1.1.2 Contractor to include an allowance of \$36,000.00 to purchase split ring seals as per quote Q41717 R2, from Mitchell Bearings. Document on google drive. These seals must be purchased as soon as contract is awarded and air freighted to the winning yard prior to the start of the docking. There is up to a 10 week lead time on delivery. Cost to be adjusted by 1379 based on final invoice.

### **12.2 Rudder Stock, Rudder and Rudder Trunk Survey**

No issues

### **12.3 Rudder Stuffing Box Surface Renewal**

Contact for Bule Seal FSR

### **12.4 Port and Starboard Tailshaft Bearing Weardown**

No issues

### **12.5 Cyclo-Converter Annual Maintenance**

No work required from the contractor.

### **12.6 Fuel Monitoring System**

12.6.3.15 Contractor to include an allowance of \$2,000.00 for any extra wire or parts required. Cost to be adjusted by 1379 based on invoices.

### **12.7 Bubbler Compressors Mounting Modification**

This work is cancelled in its entirety

### **12.8 Fans and Electro-Motor Overhauls**

12.8.3.7 Remove word "equivalent"

### **12.9 CME and AG1 WOPS Upgrade (Despemes Replacement)**

Yard to provide and erect scaffolding. Pictures to be provided of the area.

### **13.1 AG2 Exhaust Pipe Renewal**

**Cordon Steel will be used for the fabrication of the exhaust pipe.**

Steel replacement will go 2 feet through funnel top.

### **13.2 AG1 AVR and CT Replacement**

This job may be cancelled. Parts are not due to arrive until August. No work required from the contractor.

### **14.1 Thermal Imaging Scans**

No issues

### **15.1 Sewage System Maintenance**

With regard to 15.1.3.24, Contractor will include a bid for 1 m2 of cleaning to bare metal and a price per additional square meter. This will be adjusted by a 1379 process.

### **15.2 Thermal Fluid Units Annual Maintenance**

FSR doing all the work. No yard assistance required.

### **16.1 Refrigeration System Annual Inspection**

No issues

### **17.1 Helicopter Fueling System Maintenance**

Gasket to be Viton

### **17.2 Anchor Windlass 5 Year Survey**

Windlass to be removed from the ship and taken to contractor's facility.

### **17.3 Deck Crane Quinquennial Survey**

17.3.3.2.1 Contractor to include an allowance of \$30,000.00 for the services of East Coast Hydraulics, the National Jacobs crane FSR to oversee work and carry out inspections. This allowance will be adjusted by a 1379 based on final invoices. FSR services to be based on for 1 person, 4 weeks, 7 days at 10 hours per day.

17.3.3.2.2. Contractor to include an allowance of \$2,000.00 for parts that may be required based on inspection. This allowance will be adjusted by a 1379 based on final invoices.

Additional information has been added for clarity.

### **18.1 Distance Measuring Equipment (DME)**

Cable lengths updated in revised specification.

### **18.2 Helico Tracker System**

Cable lengths updated in revised specification.

Pricing Data Sheet

CCGS Drydocking- CCGS Henry Larsen

March 16, 2023

Item	Description	Unit Cost	Total Cost (inc allowances)
S 1.0	Services		\$
	S 1.3 Gangways (2)		\$
	S 1.4.6 Electrical Power: 567,000 kwh x \$ _____/per kwh		\$
	S 1.5.1 Deck Protection: 551 m <sup>2</sup> x \$ _____/per m <sup>2</sup>		\$
	S 1.12 Garbage Container		\$
	S 1.13 1 Cranage: 50 lifts x \$ _____/per lift		\$
	S 1.14.1 Bilge Water Disposal: 5 m <sup>3</sup> oil removal \$ _____/per m <sup>3</sup>		\$
	S 1.14.1 Bilge Water Disposal: 5 m <sup>3</sup> water removal \$ _____/per m <sup>3</sup>		\$
	S 1.16.7 Potable Water Supply: 560 m <sup>3</sup> x \$ _____/per m <sup>3</sup>		\$
	S 1.18.4 Black and Grey Water: 50 m <sup>3</sup> x \$ _____/per m <sup>3</sup>		\$
10.1	Miranda Davit 5 Year Overhaul		\$
	<b>10.1.3.6 Allowance for FSR</b>		<b>\$5,000.00</b>
	10.1.3.6 Markup on allowance (max 10%)	_____ %	\$
	10.1.3.37.1 Hours to assist FSR: 1 person x 7 days x 10 hr days x \$ _____/hourly rate		\$
10.2	Liferafts		\$
	<b>10.2.3.1.1 Allowance for Servicing of rafts</b>		<b>\$15,000.00</b>
	10.2.1.1.1 Markup on allowance (max 10%)	_____ %	\$
10.3	Port and Starboard Lifeboat 5 Year Inspections		\$
	<b>10.3.3.5 Allowance for FSR</b>		<b>\$5,000.00</b>
	10.3.3.5 Markup on allowance (max 10%)	_____ %	\$
	10.3.3.13.1 Hours to assist FSR: 1 person x 3 days x 10 hr days x \$ _____/hourly rate		\$
10.4	Port and Starboard Lifeboat Davit 5 Year Inspections		\$
	<b>10.4.3.5 Allowance for FSR</b>		<b>\$10,000.00</b>
	10.4.3.5 Markup on allowance (max 10%)	_____ %	\$
	10.4.3.15.1 Hours to assist FSR: 1 person x 4 days x 10 hr days x \$ _____/hourly rate		\$
	<b>10.4.3.15.3 Allowance for parts</b>		<b>\$2,000.00</b>
	10.4.3.15.3 Markup on allowance (max 10%)	_____ %	\$
10.5	Fixed FM200 and CO2 Systems Annual Maintenance		\$
	<b>10.5.3.1.5 Allowance for FSR</b>		<b>\$10,000.00</b>
	10.5.3.1.5 Markup on allowance (max 10%)	_____ %	\$
10.6	Ansul Fixed Foam System		\$
	<b>10.6.3.1 Allowance for FSR</b>		<b>\$6,000.00</b>
	10.6.3.1 Markup on allowance (max 10%)	_____ %	\$
10.7	Fire Detection System		\$
	<b>10.7.2.1.1 Allowance for Service Technician</b>		<b>\$6,000.00</b>
	10.7.2.1.1 Markup on allowance (max 10%)	_____ %	\$

Item	Description	Unit Cost	Total Cost (inc allowances)
10.8	Air Receiver Survey		\$
10.9	Relief Valve Certification		\$
10.10	Accommodation HVAC Cleaning		\$
	<b>10.10.3.2.1 Allowance for lead testing</b>		<b>\$5,000.00</b>
	10.10.3.2.1 Markup on allowance (max 10%)	_____ %	\$
10.11	Accommodation Washroom Exhaust Duct Cleaning		\$
10.12	Galley Range Hood and Exhaust Duct Cleaning		\$
10.13	Laundry Dryer Exhaust Duct Cleaning		\$
10.14	Machinery Space Bilge Cleaning		\$
11.1	Drydocking		\$
11.2	Docking Plugs		\$
11.3	Sea Trials		\$
11.4	Hull Butts and Seams		\$
	11.4.3.7 Unit cost for gouging 1000 linear ft x \$_____/per lin ft		\$
	11.4.3.7 Unit cost for grinding 1000 ft x \$_____/per ft		\$
	11.4.3.8 Unit cost for weld 5000 bead ft x \$_____/per bead ft		\$
	11.4.3.13 Unit cost for NDT tests 5 x _____/per test		\$
11.5	Hull Coatings		\$
	<b>11.5.3.5 Allowance for lead abatement</b>		<b>\$50,000.00</b>
	11.5.3.5 Markup on allowance (max 10%)	_____ %	\$
	11.5.3.12 Unit cost blasting to bare steel: 810 m <sup>2</sup> x \$_____/per m <sup>2</sup>		\$
	11.5.2.20.3 Unit cost for touch up: 810 m <sup>2</sup> x \$_____/per m <sup>2</sup>		\$
	11.5.3.28 Unit cost for manlift/operator: 10 hours x \$_____/per hour		\$
11.6	Ship Side Discharge Valves and Suction Valves		\$
11.7	Fuel Oil and Lube Oil Tanks		\$
	11.7.3.3 Unit cost for tank residual: 10 m <sup>3</sup> x \$_____/per m <sup>3</sup>		\$
	11.7.3.16.1 Unit cost for power tool clean: 1 m <sup>2</sup> x \$_____/per m <sup>2</sup>		\$
11.8	Sea Bay and Sea Chest Anodes		\$
	11.8.3.3 Unit cost for 10kg zinc anode (supply/install): 34 x \$_____/per anode		\$
	<b>11.8.3.4 Allowance for Service Technician</b>		<b>\$15,000.00</b>
	11.8.3.4 Markup on allowance (Max 10%)	_____ %	\$
	<b>Allowance for cables and components</b>		<b>\$2,000.00</b>
	Markup on allowance (max 10%)	_____ %	\$
11.9	Sea Bay and Sea Chest Cleaning and Coating		\$
	11.9.3.11 Unit cost for repair and coating: 40 m <sup>2</sup> x \$_____/per m <sup>2</sup>		\$
11.10	Bubbler Piping Repairs		\$
11.11	Bubbler Check Valves Repair		\$
11.12	Propulsion Motor Room Tank Top Coating Renewal		\$
	<b>11.12.3.4 Allowance for Lead Abatement</b>		<b>\$20,000.00</b>

Item	Description	Unit Cost	Total Cost (inc allowances)
	11.12.3.4 Markup on allowance (max 10%)	_____ %	\$
	<b>11.12.3.5 Allowance for Asbestos Abatement</b>		<b>\$6,000.00</b>
	11.12.3.5 Markup on allowance (max 10%)	_____ %	\$
11.13	Accommodation Deck Repairs		\$
	<b>11.13.3.6 Allowance for New Shower Stall Covers</b>		<b>\$5,000.00</b>
	11.13.3.6 Markup on allowance (max 10%)	_____ %	\$
12.1	Propulsion Motor Mitchell Bearing Inspection		\$
	<b>12.1.1.2 Allowance for Seals</b>		<b>\$36,000.00</b>
	12.1.1.2 Markup on allowance (max 10%)	_____ %	\$
	<b>12.1.3.4 Allowance for Service Technician</b>		<b>\$20,000.00</b>
	12.1.3.4 Markup on allowance (max 10%)	_____ %	\$
12.2	Rudder Stock, Rudder and Rudder Trunk Survey		\$
12.3	Rudder Stuffing Box Surface Renewal		\$
	<b>12.3.2.1.4 Allowance for Blue Seal FSR</b>		<b>\$20,000.00</b>
	12.3.2.1.4 Markup on allowance (max 10%)	_____ %	\$
	12.3.2.1.5 FSR Assistance: 1 worker x 10 hr days x 5 days x \$_____/hourly rate		\$
	12.3.2.3.7 Blue Seal Basecoat Application: 1 coat x \$_____/per coat		\$
	12.3.2.3.8 Blue Seal Reinforcement Application: 1 coat x \$_____/per coat		\$
	12.3.2.3.9 Blue Seal Topcoat Application: 1 coat x \$_____/per coat		\$
12.4	Port and Starboard Tail Shaft Bearing Wear Down		\$
12.5	Cyclo-Converter Annual Maintenance		\$
	<b>12.5.3.2 Allowance for FSR</b>		<b>\$10,000.00</b>
	12.5.3.2 Markup on allowance (max 10%)	_____ %	\$
12.6	Fuel Monitoring System		\$
	<b>12.6.3.15 Allowance for extra wire/parts</b>		<b>\$2,000.00</b>
	12.6.3.15 Markup on allowance (Max 10%)	_____ %	\$
12.7	Cancelled In Its Entirety		*****
12.8	Fans and Electro-Motor Overhauls		\$
12.9	CME and AG1 WOPS Upgrade (Despemes Replacement)		\$
	<b>12.9.3.2 Allowance for FSR</b>		<b>\$150,000.00</b>
	12.9.3.2 Markup on allowance (max 10%)	_____ %	\$
13.1	AG2 Exhaust Pipe Renewal		\$
13.2	AG1 AVR and CT Replacement		\$
	<b>13.2.3.4.1 Allowance for FSR</b>		<b>\$20,000.00</b>
	13.2.3.4.1 Markup on allowance (max 10%)	_____ %	\$
14.1	Thermal Imaging Scans		\$
15.1	Sewage System Maintenance		\$
	15.1.3.24 Unit cost for coating: 40 m <sup>2</sup> x \$_____/per m <sup>2</sup>		\$

Item	Description	Unit Cost	Total Cost (inc allowances)
	15.1.3.24 Unit cost of cleaning to bare metal: 1 m <sup>2</sup> x \$_____/per m <sup>2</sup>		\$
15.2	Thermal Fluid Units Annual Maintenance		\$
	<b>15.2.3.1.1 Allowance for FSR</b>		<b>\$10,000.00</b>
	15.2.3.1.1 Markup on allowance (max 10%)	_____%	\$
16.1	Refrigeration System Annual Inspection		\$
17.1	Helicopter Fueling System Maintenance		\$
	<b>17.1.2.1 Allowance for Service Technician</b>		<b>\$8,000.00</b>
	17.1.2.1 Markup on allowance (max 10%)	_____%	\$
17.2	Anchor Windlass 5 Year Survey		\$
	<b>17.2.3.24 Allowance for Hose Replacement</b>		<b>\$9,000.00</b>
	17.2.3.24 Markup on allowance (max 10%)	_____%	\$
17.3	Deck Crane Quinquennial Survey		\$
	<b>17.3.3.2.1 Allowance for FSR</b>		<b>\$30,000.00</b>
	17.3.3.2.1 Markup on allowance (max 10%)	_____%	\$
	<b>17.3.3.2.2 Allowance for parts</b>		<b>\$2,000.00</b>
	17.3.3.2.2 Markup on allowance (max 10%)	_____%	\$
18.1	Distance Measuring Equipment (DME)		\$
	<b>18.1.3.12.1 Allowance for FSR</b>		<b>\$20,000.00</b>
	18.1.3.12.1 Markup on allowance (max 10%)	_____%	\$
18.2	Helico Tracker System		\$
	<b>Total (before tax)</b>		<b>\$</b>