

**Bidders Conference
CCGS George R Pearkes Docking Refit**

August 2, 2017

OLZ-7-40077

The Bidders Conference was convened at Public Works and Government Services Canada, 10th floor boardroom, St. John's, NL commencing at 1:00 with the following officials in attendance:

Name	Rank or Position	Representing
Art Rice	Contracting Authority	PWGSC
George Penney	Contracts Manager	NewDock
Darrin Hancock	CCG Project Officer	CCG
Peter Corbett	C/E	CCG
Mark Roebathan	Contracts	NewDock
Ryan Peach	Student	PWGSC
Trevor Troake	VP	Hedde Marine

Invitation to Tender

This will be a Public Opening

Concerns were raised regarding the number of unknown hours to be bid. The perception is that there will be a disadvantage of having to bid a large amount of unknown hours. It was explained that historical information for similar refits indicate that this is a true reflection of the extra work and that the solicitation process has to reflect an accurate picture for evaluation.

Specification

Note the French specification should also have an end date of November 13th, 2017

Preamble

12 Entry into Enclosed Spaces

Add-The contractor is responsible for arranging and to have on site, a rescue team and plan to evacuate their workers that have entered the enclosed space. This team has to be equipped with proper rescue equipment and to be readily available on site to perform rescue operations when tasked to do so, each and every time.

17 Welding

Aluminium welding will have to be completed by a certified welder as per part 6 (6.5) of the ITT.

HD-01 Services

1.3 and 1.12 **Amend unit cost per day to units cost per m³**

1.2 The Ships meter will be used.

1.3 **Amend** Water volume corrected to 3000 M³.

1.6 **Delete** supply of cell phones.

HD-02 PRODUCTION CHART

Q Will a schedule done in Primavera be acceptable?

A Yes

HD-03 DRYDOCKING

THIS FEE SHALL BE USED IN CASE OF UNDOCK AND DOCK FI NOT WARRANTY ISSUE

CCG to confirm there are 27 plugs.

3.11 Amend 12 plugs removed. 10 for ballast tanks and 2 for duct keels. Delete 27 PLUGS.

CCG to provide drafts

Length O.A. 83.0 meters

Breadth Mld 16.2 meters

Depth Mld 7.75 meters

Deep Draft 6.06 meters

Displacement 5146 MT

Gross Tonnage 3853 Tonnes

Year Built 1986

HD-04 UNDERWATER HULL CLEANING AND PAINTING

Q 3.8 How many slot welds in the rudder and stern post require fairing, and as there is no such thing as Inerta putty what material would be acceptable

A Delete 3.8 ENTIRELY

3.6 **Add** Contractor, Owner representative, and Nace inspector to agree on the areas to be blast and the total area listed before starting any work.

3.8 delete

3.12 **Amend** contractor to enclose the hull to meet environmental conditions to paint.

HD-05 HULL INSPECTION AND WELDING

3.2 replace reference to H-01.10 with HD-01 1.9

3.5 Add. Contractor shall bid 10 tank entries.

HD-06 HULL PAINTING

No issues

HD-07 SEA CHEST AND SEA BAY INSPECTIONS

3.1 **Add** coatings to be applied to port and starboard strainer boxes inside. They shall be power tooled cleaned and coated to same specification as sea chests 3.12.

HD-08 AF ANODE REPLACEMENT

No issues

HD-09 ANCHORS AND CHAINS

Add. 3.3 At present there is 1 damaged link on first shot of the port chain and 2 damaged on the stbd side first shot. These damaged links are to be removed and chain rejoined with owner supplied kinter links.

HD-10 FOREPEAK EXTENDED SPINDLE LINKAGE RENEWAL AND VALVEL REPLACEMENT

3.11 allowance of \$2000.00 for new valve.

HD-11 HULL ANODES

Add. 3.1 Degree of wastage for replacement shall be determined by Technical Authority.

H-01 VOID SPACE AND BALLAST TANK INSPECTION AND SURVEY

Add Part 2: REFERENCES:

<u>Tank</u>	<u>Location</u>	<u>Capacity</u>	<u>Field #</u>
DB #2 WB Tank (S)	Fr 163-175	51.1 M	3L073

3.4 Add. The contractor shall quote 12 additional tank entries for inspection requirements outside the contractors SOW / inspection requirements. Unit cost per tank entry for adjustment by 1379.

H-02 Potable water tanks coating and survey

Q Potable Water Tanks What coating is in the tank now and what coating would be acceptable as the one specified is no longer made

A International Intergard EXA008 is no longer available. Substitute with Royal Coatings.

Add 1.3 All work must be completed in compliance with the Fleet Safety manual regarding the 28 parameters set forth for drinking water standards on CG ships and fully comply with CCG Technical Bulletin 2015-1. The coating must be in full compliance with the National Sanitation

1.3.1 the paint chosen for use to coat or patch a tank be a 100% solids, VOC free, product that is certified to NSF-61

1.3.2 that the application of the coating system must be specified to be in accordance with paint manufacturer's recommendations.

1.3.3 that all new equipment be specified to be used in the application of the coating

1.3.4 that the contractor is to require that anyone entering the tanks takes precautions to ensure they do not contaminate the tanks

1.3.5 that the contractor is to schedule an early start to the preparation and coating work to allow sufficient time for the coating to cure

1.3.6 that an independent third party NACE certified inspector be engaged to verify the work throughout the process

1.3.7 the contractor to provide the NACE inspector access to conduct inspections.

1.3.8 a baseline 28 parameter water quality test is to be performed per Section 7.A.12 of the Fleet Safety Manual following super chlorination.

1.3.9 another 28 parameter test be done at least 3 days following the baseline test with the water in the

tank having remained stagnant between tests.

3.2 **add.** Power tool sspc-sp-11. Feather back all 'intact' existing coating

3.4 **Add.** The contractor shall quote 4 additional tank entries for inspection requirements outside the contractors SOW / inspection requirements. Unit cost per tank entry for adjustment by 1379.

3.11 **Add.** The contractor shall fill, empty 2 times. The contractor shall be not use the meter water as per Services 1.3

H-03 CHAIN LOCKER SURVEY

No Issues

H-04 FM 200 SMOTHERING SYSTEMS INSPECTION

No issues

H-05 SHIP'S PORTABLE FIRE EXTINGUISHERS

No issues

H-06 CO2 SYSTEM SERVICING

No issues

H-07 PROPULSION CO2 SYSTEM SERVICING

No issues

H-08 GALLEY RANGE FIRE EXTINGUISHING SYSTEM

No issues

H-09 FOAM FIREFIGHTING SYSTEM – HELICOPTER HANGAR

3.1 **Amend** Only 1 tank in service stbd side.

H-10 FOAM FIREFIGHTING SYSTEM – MONITORS & HOSE REELS

3.5 Allowance of \$2000.00

H-11 GALLEY EXHAUST DUCTING CLEANING and ACCESS HATCH REPLACEMENT

No issues

H-12 DRYER DUCTING CLEANING

No issues

H-13 SMOKING LOUNGE EXHAUST DUCT CLEANING

No issues

H-14 ACCOMODATION DOOR REPLACEMENT

No issues

H-15 TOILET EXHAUST FAN DUCT CLEANING

No issues

H-16 Sounding Pipes and Miscellaneous Welding Repairs

No issues

H-17 Bridge Top Cabinet Door Replacement

No issues

H-18 DECK DRAINS RENEWAL

No issues

H-19 DAVITS ANNUAL INSPECTION

Amend 1.1 FSR to 'supervise', delete 'perform'.

1.2 The contractor shall replace the corroded section of the support structure for the Miranda davit as identified in the Eastern Technical Report and as specified by Poseidon Marine.

Add. 3.10 The contractor shall remove the forward and aft hydraulic rams from the barge davit, install with a new owner supplied.

Add 3.11 Contractor shall quote load test of davit upon completion of all work.

H-20 Escape Hatch Replacement

CCg to provide Pics of interference



Fwd Escape hatch



Aft escape hatch

H-21 Repairs to Fire Station #4

4.2.1 Amend Weld deficiencies are to be repaired at the **Contractor's** expense, and not the Owner.

ED-01 STERN TUBE BEARING WEAR DOWN

No issues

ED-02 PROPELLER SURVEYS, PORT AND STBD

ADD 1.2 Contractor shall allow \$10k for services of propeller repair facility for inspection / repairs to be carried out on the propellers. The proposed sub-contractor shall be agreed upon by CG prior to agreement with the contractor.

Yards to include in their bid costs associated with this spec item.

3.8 referenced seal rings are O-rings

3.8 add wire to the end of the paragraph

ED-03 TAIL SHAFT AND SHAFT BEARING SURVEY PORT AND STBD

Q Who is the Thordon representative as Coast Guard has purchased the new bearings and the measurements we believe to be included in the purchase price. Will Coast Guard be supplying the services of a field service representative

A

CCG to provide an revise to include wording for 3 fits and 4 bushings per side etc.

3.11Add Stbd side.

Shaft bearing (stern tube) bushings on the port and stbd side shall be cleaned; inspected for wear and defects. Internal measurements shall be taken at 4 positions over the length of the stern tube bushings.

3.12Amendment The contractor shall **quote to measure** the stbd sterntube and shafting in way of the ~~new~~ bushings. Contractor is to consult with the Thordon representative to determine the proper finished dimensions of the bushings.

Add. Thordon FSR allowance of \$10k for Avalon Marine for travel and labour costs.

3.13 Amendment The contractor shall **quote 100 hrs to** machine the 4 sections of bushings to the proper dimensions as recommended. All bushings will have water passages machined the length of the bushings as per the Thordon representatives recommendations. **Bushings are owner supplied.**

3.14-3.16 to be quoted separate.

3.14 Add. The contractor shall quote on removal of 4 sections of bushings from either the port or stbd stern tube as directed by the Chief Engineer.

~~**Delete** The stbd shaft's aft liner shall be machined at its fwd end to the dimensions of the bearing section of the liner to obtain a uniform dimension for the length of the liner.~~

ED-04 RUDDER AND RUDDER STOCK

No issues

ED-05 SEA CONNECTION INSPECTIONS

No issues

ED-06 SEA CONNECTION INSPECTIONS

No issues

ED-07 BOWTHRUSTER OIL CHANGE

No issues

ED-08 NEW REVERSE OSMOSIS SEA WATER SUCTION

No issues

E-01 OIL TANK CLEANING AND SURVEY

Part 2: REFERENCES:

<u>Tank</u>	<u>Location</u>	<u>Capacity</u>	<u>Field #</u>
Fuel Day Tank	Stbd Fr 64-70	28.4 M3	3L104
Fuel Settling Tank	Stbd Fr 57-64	33.2 M3	3L105

E-02 WASTE OIL TANK CLEANING AND SURVEY

No issues

E-03 EMERGENCY D/G F.O. TANK SURVEY

No issues

E-04 HELICOPTER FUELLING SYSTEM SERVICING

3.1 add \$20,000.00 allowance for the Fire Engulfment Relief Valve

E-05 ANCHOR WINDLASS SURVEY

No issues

E-06 RELIEF VALVE CERTIFICATION

No issues

E-07 AUXILIARY D/G OVERHAUL & SURVEY

2.1 The engine to be over-hauled is model 3508,serial # 23Z00809

E-08 REPAIRS TO #2 WATERTIGHT DOOR AND FRAME

No issues

E-09 REPAIRS TO PORT HAWSE PIPE WASH NOZZLES

No issues

E-10 #3 PROPULSION GENERATOR AIR COOLER REPLACEMENT

Q No 3 Propulsion Generator Air Cooler Replacement 1.2 Will Canada cover the cost of shipping the cooler as a 1379

A Cooler can be given to C/E on the ship

E-11 Central Cooling Heat Exchangers

Add 1.1 The contractor shall arrange for the inspections by TCMS.

Amend 3.4.1 The Contractor shall install eight (8) – Owner supplied (AT Controls – P/N OSB-L1-0600-ESR-HE) butterfly isolation valves.

3.4.2 The Contractor shall be responsible to align the existing piping to the ports on the new coolers so as to remove all connection stresses when final piping and connections have taken place. It will be the responsibility of the Contractor to position all piping and valves in a manner that a single design of spool shall be compatible in all eight (8) spool locations. For bidding purposes, the spool pieces shall be of DN150 pipe with a length not exceeding 600 mm.

E-12 SEWAGE SYSTEM UPGRADES

Q Sewage System Upgrades Will Canada provide an allowance for the Jetvac FSR

3.1.1 Add a \$10,000.00 allowance for FSR travel and living only. Travel shall consist of two trips.

E-13 Sludge Tank Mounting

Q Sludge Tank Mounting Is the new sludge tank GSM supplied or does it have to be fabricated

A GSM

L-01 THERMOGRAPHY INSPECTIONS

Q Thermography Inspections 3.2 As these test require the ship to have the propulsion system on line would it not make more sense to do the test prior to arrival at the shipyard.

A Testing is to be completed before docking.

L-02 OVERHAUL MOTOR/GENERATOR SET

No issues

L-03 KICK PIPES/WIRE PENETRATIONS RENEWAL

Add 3.1.5 Class approved transits / kickpipes recognized by TCMS.

L-04 REPLACE FOUR FLOODLIGHTS W/H FRONT

No issues

L-05 GPS/ DGPS Upgrade

3.1.14 CCG to update cable reference in table (Nav bridge)

Amend ? RF is NORTHSTAR GPS-ANT RF

L-06 SEATEL ANTENNA UPGRADE

3.1.6 CCg to provide calrification on "re-gland/repack

A Repacking glands.