

The Bidders Conference for the Sir Wilfred Grenfell 2013 Dry Docking Refit was convened on 21 November 2012 at 13:30 hours with the following officials in attendance:

Name	Rank or Position	Representing
Bruce Gollop	Contracting Authority	PWGCS
Joe Earles	Project Authority	CCGS
G McDonald	Senior Engineer	CCGS
Darrin Hancock	CE & Technical Authority	CCGS
Peter Corbett	CE & Technical Authority	CCGS
George Penney	Contracts Manager	Newdock
Kevin Mackinnon	Estimator	Newdock

The Chairman welcomed everyone in attendance and after introductions stated that the reason for the Bidders Conference is to review the Invitation to Tender Document, the Specifications, complete with attachments and to clarify any contentious points that may exist and resolve them to the satisfaction of the Owners and Bidders.

The Chairman reviewed the Invitation to Tender with the following comments:

Page 01 of 38	The Closing Date is 05 December 2012. Sign, date, and fill in front sheet.
Page 05 of 38	The time frame of <u>10 January to 21 February</u> is reasonable.
Page 09 of 38	Special attention to; "5.3 Certifications required with the Bid."
Page 13 of 38	Inspection Authority & Technical Authority is the Chief Engineer. Project Authority is Joe Earles.
Page 14 of 38	This page is blank.
Page 17 of 38	7.17 Vessel is Asbestos Free. 7.18 Crown to advise if special equipment is needed for Tail shaft work.
Page 19 of 38	Special attention to; "7.25 Supervision of fueling & disembarking fuel."
Page 20 of 38	This is a manned refit.
Page 21 of 38	Special attention to; "7.38 Stability."
Page 22 of 38	Annex "A" Statement of Work Discussed later.

Page 23 of 38	Annex "B" Basis of Payment Note: Only Section B1 is filled out by the Contracting Authority. B4 is filled out by the Bidder.
Page 25 of 38	Annex "C" Insurance C1, C2, C3 no comments.
Page 26 of 38	Annex "D" Consent to a Criminal Record Verification No comments.
Page 27 of 38	Annex "E" Warranty No comments.
Page 32 of 38	Annex "F,G,H". Not Used.
Page 33 of 38	Annex "I" Financial Bid Presentation Sheet. Must be presented with your tender prior to bid closing.
Page 34 of 38	Provide details of how Overtime Fees are to apply; Monday to Friday, Saturday & Sunday.
Page 35 of 38	1.5.1 Fill in Proposed Shipyard & Applicable VTC's. 1.5.2 Vessel should be noted; <u>"Sir Wilfred Grenfell."</u>
Page 36 of 38	Add: <u>Pictou Shipyard, Vessel Transfer Cost is \$27,728.00</u> for a manned refit.
Page 36 of 38	Appendix 1 to Annex "I" Detailed Pricing Data Sheet New PDS to be presented with your tender prior to bid closing.
Page 37 of 38	Complete Annex "J" Federal Contractors Program as noted.
Page 38 of 38	Complete J2 as requested.

The following Attachments are being distributed by MERX.

Attachment 000	Invitation to Tender.
Attachment 001	Capacity Plan & Deadweight Scale.
Attachment 002	Docking Plan
Attachment 003	General Arrangement Profile.
Attachment 004	General Arrangement Boat and Focsle Decks
Attachment 005	General Arrangement Fire Monitor Platform, Wheel house Top, etc..
Attachment 006	General Arrangement Main Deck and plan below main deck.
Attachment 007	General Arrangement Tank Top

Attachment 008	Specification English
Attachment 009	Specification French
Attachment 010	Pricing Data Sheet English or French.
Attachment 011	New H-11 added.

As there were no other questions or comments on the Invitation to Tender, the Specification was reviewed with the following changes.

CCGS Sir Wilfred Grenfell Drydocking Refit

Bidder's Conference Amendments

Nov.23, 2013

HD-02 Drydocking

3.1.1 Amendment: Struck through text deleted: ~~The contractor shall perform crankshaft deflections on all four main engines before the dry docking, immediately after the dry docking and after the undocking.~~

Amendment: Underlined text added: The contractor shall perform crankshaft deflections on all four main engines before and after the dry docking.

3.1.11 Amendment: Underlined text added: #4 and #5 WB port and starboard shall be drained and docking plugs shall be marked and given to Chief Engineer.

HD-03 Services

3.1.2 Amendment: Underlined text added: #17 potable water tank shall not be drained until fresh water is connected and supplied to the vessel.

3.1.3 Amendment: Underlined text added: Estimated consumption is 3m³ per day.

3.1.7 Amendment: Underlined text added: The container is to be approximately 6 m³; the Contractor shall quote on six dumps

3.1.11 Amendment: Struck through text deleted: ~~The Contractor shall allow \$1000.00 in bid for crane usage for vessel's purpose and not for Contractor work. Contractor shall include an hourly rate for crane to be used to adjust cost up or down by 1379 action.~~

Amendment: Underlined text added: The Contractor shall quote on 15 hours and provide an hourly rate for crane usage for the vessel's purpose and not for Contractor work. The cost shall be adjusted by 1379 action.

3.1.13 Amendment: Struck through text deleted: ~~Ice clearing services if so required for ship shall form part of the Contractor's bid price.~~

Amendment: Underlined text added: Parking spaces for three ship's personnel shall be provided for the duration of the contract.

HD-04 Hull Coating and Inspection

3.1.1Amendment: Struck through text deleted: ~~The entire underwater area of the ship from the keel to the top of the light waterline shall be hydro blasted and cleaned of all marine growth and salts~~

Amendment: Underlined text added: The entire underwater area of the ship from the keel to the top of the bulwarks shall be hydro blasted and cleaned of all marine growth and chlorides.

HD-07: Kort Nozzle Testing

3.1.2 Amendment: Underlined text added: Soapy water solution to be used in conjunction with air test.

HD-09 Ship Underwater De-Icing Valve Inspection and Replacement

1.2 Amendment: Struck through text deleted: ~~The Contractor shall supply and install 3 valves and inspect all 12 valves.~~ Amendment: Underlined text added: The Contractor shall inspect all twelve valves including three which will be Owner supply.

3.1.2 Amendment: Struck through text deleted: ~~Contractor supplied new valves shall be installed in the same positions as the existing using new neoprene gaskets.~~ Amendment: Underlined text added: Contractor supplied new valves shall be installed in the same positions as the existing using new Duralon gaskets.

HD-11 Seabays, Seachests, Grids and Strainers

3.1.12 Amendment: Struck through text deleted: ~~The seabays shall be closed up in good order with grids properly secured using stainless steel studs, Nuts and locking wire.~~ Underlined text added: The seabays shall be closed up in good order with grids properly secured. The Contractor shall quote on the existing arrangement as being tack welded.

3.1.13 The Contractor shall quote on removing a section of the bow and stern thruster grids to gain access to the thruster tunnels for the replacement of the wasted anodes. The quote shall include the replacement of the sections and coating as per under water hull coating specifications.

3.1.14 Amendment: Struck through text deleted: ~~It may be necessary to remove a section of 4 inch re-circulation line in the starboard sea bay to gain access to seabay interior for cleaning and painting. This section of re-circulation line shall be replaced in good order upon completion of the work.~~

Underlined text added: It will be necessary to remove a section of 4 inch re-circulation line in the starboard sea bay to gain access to seabay interior for cleaning and painting. This section of re-circulation line shall be replaced in good order upon completion of the work.

HD-12 Water Ballast Tank Inspections and Cleaning

3.2.1 Amendment: Underlined text added: The Contractor shall quote on removing 25 old anodes and installing 6 new anodes. The new anode locations shall be directed by the Chief Engineer prior to installation.

3.2.2 Amendment: Underlined text added: The NDT method shall be ultrasonic testing.

3.2.5 Amendment: Struck through text deleted: ~~The contractor shall then have the tank internally inspected by TCMS and the Chief Engineer.~~ Underlined text added: The contractor shall then notify TCMS, the Chief Engineer and the NACE Inspector for inspection.

3.3.2 Amendment: Underlined text added: The Contractor shall quote on installing four new 10 kg anodes in this tank. The new anode locations shall be directed by the Chief Engineer prior to installation.

3.3.5 Amendment: Struck through text deleted: ~~Contractor to quote on pressure washing entire tank surface area and grit blasting and coating of 10% tank surface area.~~ Amendment: Underlined text added: Contractor to quote on pressure washing entire tank surface area and grit blasting and coating of 25% of tank surface area, this amount to be adjusted by 1379 action.

H-02 Galley Exhaust Fan Trunking Cleaning

1.1 Amendment: Underlined text added: The ship's crew will remove, clean and re-install the range hoods.

H-03 Accommodation Space Ventilation Trunking Cleaning

1.3 Amendment: Struck through text deleted: ~~This work shall be carried out in Conjunction with:~~ Amendment: Underlined text added: This work shall be scheduled near the end of refit and after the completion of grit blasting.

3.1.1 Amendment: Underlined text added: Metal plugs are to be used for access points, if any plastic plugs are found they shall be replaced with metal plugs. All plugs shall be sealed with foil tape.

H-04 Fuel Oil, Lube Oil and Waste Tank Cleaning and Inspection

2.1 Amendment: Underlined text added: The following tanks shall be added;

#6 Port Fuel	FR. 27-41	64.9	3L011
#6 Starboard Fuel	FR. 27-41	64.9	3L012

3.1.2 Amendment: Underlined text added: The total estimated amount of fuel removal is 13000 litres, this amount will be adjusted by 1379 action.

H-08 Female Washroom Repairs

Toilets 3.1.2 **Amendment:** Struck through text deleted: ~~Toilets shall be removed from the seating, new style toilet shall be reused and the old style toilet shall be discarded and a new owner supplied toilet shall be installed. The wooden toilet seating and studs shall be removed from the deck. The deck shall be cleaned to bare metal. New studs and wooden seat shall be fabricated the same shape and size of the toilets bottom seating that will be installed. The wood shall be fastened with studs welded to the deck and countersunk nuts. Four additional studs shall be installed for fastening the toilet. All studs shall be stainless steel. The wood shall be oak at a thickness that suits the standard toilet height from the finished deck. Allow 2 inches thick, 18 inches deep, and 12 wide for bidding purposes. The toilets shall be installed; some minor rework of ABS pipe in the toilet area will be required.~~ **Amendment:** Underlined text added: Toilets shall be removed from the seatings, both toilets shall be reused. The wooden toilet seating and studs shall be removed from the deck and disposed of. The new installation will require the toilets to be centered in the stalls, note presently they are offset. The centering work will require removal of an area of old tile sufficient to allow for a centered mount. The deck shall be cleaned to bare metal. The new tile shall cover the entire new area of bare steel deck. The new tile shall match the old tile as closely as possible. The contractor shall bid on 12 square feet of new tile. Upon completion of stud welding and tiling new Teflon seatings shall be fabricated and fitted over the new tile; the footprint dimensions of the new seatings shall match the old although the Teflon shall be of a thickness that suits the standard toilet height from the finished deck. Allow 1 inch thick, 18 inches deep, and 12 inches wide for bidding purposes. The Teflon seatings shall be fastened with stainless steel studs welded to the deck and countersunk nuts. Four additional stainless steel studs shall be installed for fastening the toilet to the seating. The toilets shall be installed; some minor rework of ABS pipe in the toilet area will be required after the toilets have been centered and installed.

H-09 Fuel Oil Tank Calibrations

1.2 **Amendment:** Underlined text added: The Contractor shall allow \$3000.00 for Naval Architect services, this amount shall be adjusted up or down by 1379 action upon receipt of invoices.

3.1.10 **Amendment:** Underlined text added: Note # 6 port and starboard fuel oil tanks will have been gas freed as per item H-4.

H-10 Steel Remediation –Save-All Above Bosun’s Locker

3.1.2 Amendment: Underlined text added: The ship’s crew will supply labour for removals.

4.1.2 Amendment: Underlined text added: The save-all shall be plugged and filled with fresh water .If leaks are found they are to be rewelded .If no leaks are observed after 10 minutes the plug will be removed to drain water.

H-11 Tow Deck Coating and Inspection

Amendment: Struck through text deleted:

Primer

~~3.1.2 Apply two full coats of Amercoat 5105 Primer (AX9708 Red Oxide) to all blasted areas. Apply @ 2 to 3 mils DFT.~~

Topcoat

~~3.1.3 Apply two full coats of Amercoat 235 (Oxide Red A41270 Deck Red)
Topcoat to entire area. Apply @ 2 to 3 mils DFT. Colour considered to be Coast Guard Deck Red.~~

Amendment: Underlined text added:

Primer

3.1.2 Apply two full coats of Amercoat 235 to all blasted areas. Apply @ 5 to 7 mils DFT.

Topcoat

3.1.3 Apply two full coats of Amercoat 235 to all blasted areas. Apply @ 5 to 7 mils DFT.
Colour will be Coast Guard Deck Red. See attached Product Data Sheet

Amendment: Underlined text added: The is no requirement for a shelter or NACE Inspection.

ED-01 Port Propeller, Tailshaft and Stern Tube

3.1.16 Amendment: Underlined text added: The blades will be polished and crack tested with dye penetrant.

ED-02 Starboard Propeller, Tailshaft and Stern Tube

3.1.16 Amendment: Underlined text added: The blades will be polished and crack tested with dye penetrant.

ED-04 Stern Thruster Survey

1.3 Amendment: Struck through text deleted: ~~The readings will be compared to readings taken prior to survey repairs in 2010. These vibration readings will form part of the acceptance criteria for this item. This can only be carried out with the vessel afloat and propulsion on-line.~~

3.1.8 Amendment: Underlined text added: There are 2 bearings in the motor. The motor shall be

meggared.

3.1.10 **Amendment:** Underlined text added: The blades will be polished and crack tested with dye penetrant.

ED-05 Bow Thruster Survey

3.1.9 **Amendment:** Underlined text added: There are 2 bearings in the motor. The motor shall be meggared.

3.1.11 **Amendment:** Underlined text added: The blades will be polished and crack tested with dye penetrant.

ED-07 Miscellaneous Piping Replacements

3.1.2 CPP Cooling: **Amendment:** Struck through text deleted:

- a. ~~Fabricate new pipe same as existing piping. Material required, (Approximate). Pipe run is comprised of 3 different sections, with different diameter pipe, going from 2 1/2" to 2" to 1 1/2".~~
- b. ~~PIPE 2 1/2" Schedule 40 pipe, five(5) feet, one(1) 2 1/2" 90 Elbow, one(1) 2 1/2" Roust a Bout, one (1) straight reducer 2 1/2" to 2"~~
- c. ~~PIPE 2" Schedule 40 pipe, 12 feet, Two(2) Custom fabricated flanges, to adapt to Heat Exchangers, Two(2) 2" Butterfly valves, Six(6) 2" 90 Elbows~~
- d. ~~PIPE 1 1/2" Schedule 40 pipe, 30 feet, Three(3) 1 1/2" Ball Valves, Six(6) 1 1/2", Unions, Three(3) 1 1/2" "TEE"s, ten(10) 1 1/2 "90 Elbows, Five(5) 1 1/2" 45 Elbows~~

Amendment: Underlined text added: The Contractor shall remove a section of S/W/C pipe and fabricate and install a new section as follows; Unbolt from 2 flanges inboard of coolers, remove 2 ½ inch Victaulic coupling under deck plates, disconnect 1½ inch and 1¼ inch piping from branch pipes. The new pipe shall match the old pipe with the exception of the forward 1 ¼ inch branch pipe, this section will be converted to a 1½ inch threadlet. Contractor to start this work as early as possible in refit. The new pipe shall be schedule 80. The materials are approximately as follows; Eight feet of 2 ½ inch pipe, one 2 ½ inch 90° elbow, 2 flanges, one 2 ½ inch to 2 inch reducer, six feet of 1 ½ inch pipe. Pipe to be reinstalled with new fasteners and new seal for Victaulic coupling.

4.1.2 **Amendment:** Underlined text added: All new pipes are to be flushed.

ED-10 Fire Fighting Pump Inspection and Alignment

3.1.4 Amendment: Underlined text added: Additional labour and parts will be covered by 1379 action.

L-01 Kongsberg Tank Level Transducers

1.4 Amendment: Underlined text added: The Contractor shall quote on 20 hours labour per tank for a total of 180 hours.

L-02 Clutch Control Upgrades

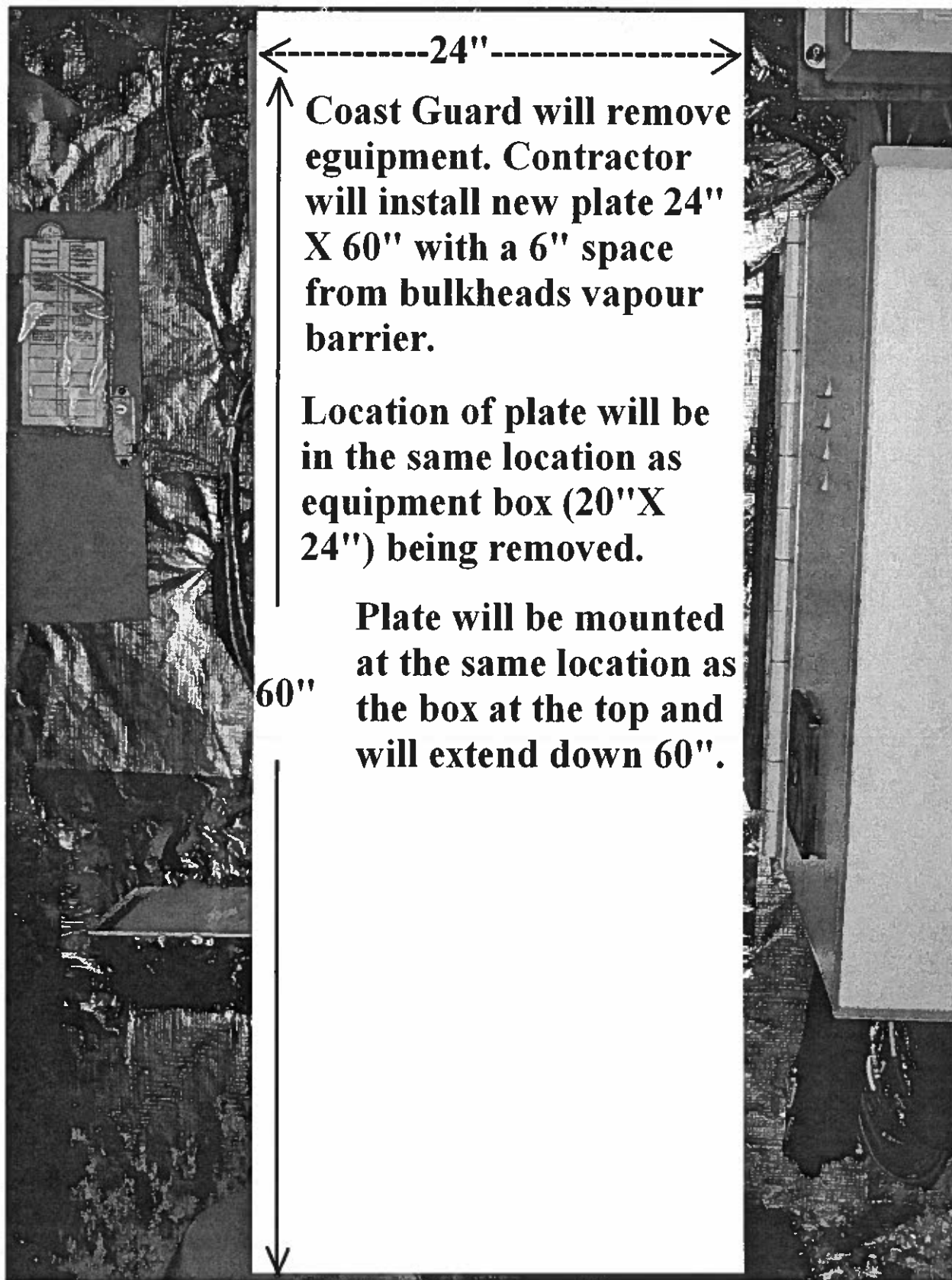
1.4 Amendment: Struck through text deleted: ~~The Contractor shall provide twenty hours labour to assist the Woodward Governor Field Services Representative.~~

Amendment: Underlined text added: The Contractor shall provide forty hours labour to assist the Woodward Governor Field Services Representative.

L-03 Gyro Replacement

3.1.1 **Amendment:** Underlined text added: The lower bridge deck alley way and stair well is below the area where welding is to take place. Deckhead tiles in this area will require removal for access to insulation for removal & re installation. **Amendment:** Underlined text added: The second and fourth pictures will be replaced by Gyro picture 2 revised and Gyro picture 4 revised.

Gyro picture 2 revised



Coast Guard will remove equipment. Contractor will install new plate 24" X 60" with a 6" space from bulkheads vapour barrier.

Location of plate will be in the same location as equipment box (20" X 24") being removed.

Plate will be mounted at the same location as the box at the top and will extend down 60".

Gyro picture 4 revised

