



Border Force

**AUTHORITY: The Secretary of State for the Home
Department
acting through Border Force**

STATEMENT OF REQUIREMENTS

**HMC VIGILANT - MAINTENANCE AND SAFETY
EQUIPMENT RECERTIFICATION**

APRIL 2020

C18064

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DEFINITIONS:

Acceptance	The issuing of an acceptance document, signed by the Authority following the completion of an Annual Maintenance & Repair Period to the satisfaction of the Authority.
Additional Work	Unprogrammed work outside of the scope of planned or scheduled work.
Agreed Facility	A single phone number for the Supplier giving access to a point of contact able to give user friendly assistance to persons experiencing technical problems with any part or operation of the Cutters
Alongside Berth	A suitable quay/berth with at least 1m depth below LWS at all times Complete with access by gangway/brow
BFOO	Border Force Overseeing Officer
Cardinal Date Plan	A plan provided by the Supplier mapping out the significant dates for a project
Completion Statement	At the completion of the Docking/LSA/Maintenance, the Supplier is to submit to the BFOO a formal statement against each individual maintenance/service/overhaul task(s) to confirm each has been completed This statement will also be required to cover all Emergent Work
Cutter	The Vessel as detailed in Annexes C & D
Defect Rectification	Work undertaken to resolve any kind of defect identified and listed in the work package.
Emergent work	Any work that emerges from the Planned Maintenance, which is notified to the Supplier in this Statement of Requirements. Any repairs which are required as a direct result of defects found with during this package of works.
Highlight Reports	A report highlighting the details, cause and effect, of a deviation from the agreed Cardinal Date Plan.
Lloyd Register	Lloyd's Register's Rules and Regulations set standards for the design, construction and lifetime maintenance of ships, offshore units and land-based installations.
Major Defect	Any defect or fault which reduces the performance of the Cutter, so it is unable to perform its duties.
Milestone Payment Plan	A plan setting out the significant milestone payments process for each Maintenance and Repair period
Minor defect	Any defect or fault which reduces the performance of the Cutter while allowing it to be safely operated for its duties.
Original Equipment Manufacturer (OEM)	The original manufacturer of a piece of equipment.
Planned Maintenance	The package of works as detailed at Annex A
Project Manager	A member of the Supplier's personnel who is responsible for the overall planning and execution of a project.
Progress Report	A report giving details of progress against the agreed CDP
Rectification Plan	A plan to rectify a specified defect, giving dates and reasons for relevant actions to effect full rectification of the defect.
Safe Working Load (SWL)	The maximum load a piece of equipment can safely operate under.

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Slipway/Dry Dock	A Slipway or Dry Dock of suitable size, complete with dock blocks in accordance with the supplied docking plan and to the satisfaction of the Border Forcer Overseeing Officer Complete with safe permanent means of access to the Cutter
Spares	Unless specified as Border Force supplied All spare parts required to complete an overhaul/maintenance/service including paint/anodes are for the Supplier to provide and include in their Quotation
Warranty	A guarantee, issued to the Authority by the Supplier, promising to repair or replace something if necessary, within a specified period.
WHO	World Health Organisation
Working Location	The area in which the Cutter is operational
Work in Wake	This is work involved due to preparation and after the repairs/maintenance works are done and must be included in duration and pricewise in the Quotation.

Part 1: GENERAL

1.0 Background

- 1.1. The Authority currently operates a fleet of eleven sea going patrol craft operating in both UK National and International waters. This consists of five Cutters and six Coastal Patrol Vessels (CPV).
- 1.2. The four Damen 4207 patrol vessels, of which HMC Vigilant is one, are built in accordance with Lloyds 100A+ and hold valid MCA International Load line certification.
- 1.3. The primary roles of the Cutters are: -
 - 1.3.1. To provide a mobile, flexible, seaborne force capable of maintaining an effective deterrent against illegal immigration, smuggling and other breaches of the law administered by Border Force both within and outside the territorial waters of the UK.
 - 1.3.2. To increase maritime intelligence, undertake surveillance and improve international liaison in combating illegal immigration, the smuggling of drugs and movement of instruments of terrorism by sea;
 - 1.3.3. To intercept suspect vessels in territorial and international waters; and
 - 1.3.4. To provide mutual assistance to other EC countries, the Channel Isles, the Isle of Man and other partners on the UK border.
- 1.4. In addition to these primary responsibilities, Border Force also undertake tasks on behalf of the Ministry of Defence, Maritime and Coastguard Authority, National Crime Authority, Police and UK Fisheries Agencies.

Part 2: REQUIREMENTS AND CONSTRAINTS

2.0 Requirements

- 2.1 The objective of this specification is to provide requirements for;
 - 2.1.1 The annual Maintenance of equipment and machinery,
 - 2.1.2 The annual recertification of all safety equipment,
 - 2.1.3 The modification and Defect Rectifications

3.0 Location and Dates

- 3.1 The requirements, as detailed in 2.1, will be undertaken within the geographic parameters set out in 3.2 and 3.3 and between the dates set out in 4.4.
- 3.2 UK – between Portland and Sunderland

3.3 Europe – between Cherbourg, France and Rotterdam, The Netherlands

4.0 Constraints

- 4.1 All work carried out must be compliant to all applicable standards or regulations and in accordance with best industry standards and UK Flag State regulations.
- 4.2 All new parts and equipment fitted should be supportable for a period of five years following installation.
- 4.3 All new equipment shall be provided with relevant operator & maintenance documentation, and any applicable certification.
- 4.4 Due to the ongoing measures taken by Her Majesty's Government of the United Kingdom in the fight against Covid-19, the services included in this package will be undertaken in line with the following time constraints;
 - 4.4.1 The period of works will begin no earlier than 16th May 2020;
 - 4.4.2 The period of works will begin no later than 11th June 2020;
 - 4.4.3 The period of works is envisaged to take between ten (10) and fifteen (15) working days.
- 4.5 The Authority reserves the right to withdraw this requirement during any stage of this process.

3: PROVISION OF SERVICES

5.0 General Requirements

- 5.1 The Supplier will appoint and name a dedicated Project Manager, as a single point of contact, for the duration of the Project.
- 5.2 The Authority will delegate a Border Force Overseeing Officer (BFOO) for the duration of this contract, who shall be entitled to inspect any work or to have it inspected by their duly authorised representative.
- 5.3 In the case of an LSA period, the Cutter is not handed over to the Supplier, Border Force personnel will remain and live onboard through the LSA period. provision in the CDP is to be retained to ensure the Cutter's domestic services are maintained and Firefighting capability is available at all times, by means of the Supplier providing temporary equipment, fire extinguishers/pumps etc, whilst the Cutter's own equipment is being serviced and system down time is restricted to working hours only, to enable the crew to live onboard an Health and Safety conditions to be fulfilled.
- 5.4 The Supplier shall submit a draft Cardinal Date Plan (CDP) covering the completion of all planned work with the formal quotation for this work package, in an accessible Microsoft Office document format (.docx or .xls), for approval by the Authority, once agreed by the Authority this will form the final CDP for the or LSA period.

- 5.5 The Supplier is to provide Highlight Reports within twenty-four hours of all identified or predicted deviations from the CDP to the BFOO.
- 5.6 During the contract period the BFOO shall, during normal working hours, be afforded access to all premises of the yard or its suppliers where any parts are being manufactured, repaired or serviced.
 - 5.6.1 All BF approved third-party contractors (e.g. MCA surveyors, OEM engineers etc) should be afforded access to the Suppliers premises to the same level as detailed in 5.7.
 - 5.6.2 All BF Personnel, staff, engineers, representatives and approved third-party contractors who are admitted to the Supplier site during the contract period are to adhere to the Suppliers' site access policies and/or security policies.
 - 5.6.3 The Supplier remains responsible for the safeguarding of any BF Personnel, staff, engineers, representatives or third-party contractors by way compliance to current health and safety legislation.
 - 5.6.4 The Supplier remains responsible for the safeguarding of any it's commercially sensitive material and/or intellectual property.
- 5.7 During this period of works as specified at 3.4 and 3.5, it may be essential for BF appointed third-party contractors to gain access to the vessel in order to perform actions on various operating sub-systems. The BFOO, on behalf of the Authority, will formally approach the supplier to notify them of this requirement.
- 5.8 During the contract period the Supplier shall provide reasonable secure office accommodation for exclusive use by the Authority, or appointees of the Authority, to include printing facilities.
- 5.9 All tasks shall be completed by suitably qualified and experienced personnel (SQEP) in relation to the equipment being worked upon.
- 5.10 The Supplier will be expected to clean the working area, removing and disposing of those component parts that have been replaced, and all waste created during this project. In addition to returning the vessel to its original state of cleanliness on handover.
- 5.11 All minor consumable fixings, sealants, anti-corrosive paste/ insulation washers on fittings liable to salt water spray etc required to gain access to maintenance of equipment or rectify defects are to be provided by the Supplier.
- 5.12 The supplier is required to provide secure storage for the vessel's equipment as required by the docking or LSA period.
- 5.13 Intentionally left blank.

5.14 On completion of all work and prior to hand back, the vessel shall be cleaned to the same standard it was presented to the supplier in, in order to allow for an immediate return to operational use once accepted by the Authority.

5.14.1 A secure alongside berth is to be provided for the duration of the LSA period.

5.15 The Authority will be engaging with OEM manufactures, under a separate contract, to undertake specific maintenance tasks on the installed Main and Auxiliary machinery. The Supplier is to afford access as required and assist with various tasks as instructed by the Border Force Overseeing Officer to complete this specific work. Payment for these tasks will be covered under Emergent Work process.

Part 4: WARRANTY

6.0 Warranty Requirements

6.1 The Supplier shall provide an Agreed Facility for reporting faults and obtaining technical advice, covering the hours between 08:00 and 16:30, Monday to Friday, for the logging of faults or data. Response times for such service shall allow for all faults to be logged, given a reference number and Rectification plan agreed between all parties within a maximum of forty-eight hours of the fault being logged.

6.2 The Supplier shall provide warranty repairs in the event that any of the supplied or repaired parts develops a fault during the parts warranty period.

6.3 All Work carried out by the Supplier during the period of this contract shall be covered by a one-year Warranty, commencing from the date of acceptance back in to the custody of the Authority.

6.4 All new parts supplied or fitted during the period of this contract shall be covered by a one-year warranty or such other provided warranty if it is longer than the minimum one year.

6.5 In the event that a Warranty Major Defect is notified to the Supplier that will render a Cutter non-operational. The Supplier shall provide services to ensure the Cutter is restored to full working condition within forty-eight hours, calculated from the date and time on which the Authority agrees the Supplier personnel can gain access to the Cutter. In the event a Major Defect cannot be rectified within the assigned period, a Rectification Plan must be agreed with the Authority within forty-eight hours of identification of the fault.

6.6 In the event that a Warranty Minor Defect is notified to the Supplier, other than those that will render the Cutter non-operational, the Supplier shall provide services to ensure the Cutter is restored to full working condition, as quickly as possible, and in any event, within ten working days, calculated from the date and time on which the Authority agrees the Supplier personnel can gain access to the Cutter. In the event a Minor Defect cannot be rectified within the assigned period, a Rectification Plan must be agreed with the Authority within forty-eight hours of identification of the fault.

Part 5: DOCKING BASIN & SEA TRIALS,
DOCUMENTATION, ACCEPTANCE AND PAYMENT

7 Basin Trials

- 7.1 On completion of all work and once the Supplier has satisfied themselves that the Cutter is seaworthy, this will be demonstrated to the Authority who will provide an Acceptance Certificate (at Annex G) and confirm hand back of the Cutter into the Authority's custody and responsibility. Where propulsion work has been undertaken by the Supplier in this SoR, propulsion and manoeuvring trials are to be undertaken as measured against original trials data for comparison and include OEM service engineer(s) alongside the supplier's own mechanical and electrical service engineers
- 7.2 Basin trials (at Annex Q) will be required to prove that the executed work has been carried out satisfactorily and that the various systems can be checked and confirmed as fully and effectively re-commissioned by the BFOO.
- 7.3 Any trials required shall be to prove that the executed work has been carried out satisfactorily and that the various systems can be checked and confirmed as fully and effectively re-commissioned. Other than fuel, all costs related to the operations of test and trials will be the responsibility of the Supplier.
- 7.4 Because of the specialist nature of the vessel, the Authority will provide a crew member(s) familiar with the navigational controls and engineering systems of the Cutter.

8 Documentation

- 8.1 All certification required for regulatory compliance or requested by the Authority shall be supplied enclosed in clear envelopes within four-ring ring binders complete with an index. An electronic copy shall be forwarded by e-mail to the Authority in .pdf format.
- 8.2 All certificates and survey reports as specified in point 8.4 are required are to be provided before acceptance meeting.
- 8.3 All certificates and reports specified as required are to be provided in hard copy folders to the vessel before departure and electronically emailed to the Authority.
- 8.4 Certifications and Survey reports are required in the following format:
 - 8.4.1 Two sets of hard copies indexed and ordered in the format shown in SOP 08 provided to the Supplier post contract award by the Authority.
 - 8.4.2 One set of electronic copy with index and emailed to the BFOO.

NB: Although these sets of certifications are to be presented at the Acceptance Meeting, to minimize time spent in checking these during the acceptance meeting prior opportunity shall have been given to the Border Force Overseeing Officer to check the contents and the index.

9.0 Acceptance

- 9.1 An Acceptance meeting will be held as per Annex P, where upon successful completion of the agenda, the issue of the Acceptance Certificate as at Annex G and signed by the Authority's and Suppliers representative(s).
- 9.2 The Acceptance document will be issued after:
- 9.2.1 Successful completion of Basin and (Sea trials, in the case of a docking) as required for the work undertaken and confirmation by the BFOO.
 - 9.2.2 Delivery of Certificates of Conformity for all new equipment fitted.
 - 9.2.3 Delivery of all survey reports, documentation and certificates as specified in:
 - 9.2.3.1 Annex N Certificates
 - 9.2.3.2 Annex O Survey Reports
 - 9.2.4 Outstanding actions listed at the Acceptance Meeting have been agreed by the Authority.
- 9.3 Charges and Payment
- 9.3.1 On completion the Supplier shall provide the Authority with a completed schedule showing the individual cost breakdown for each item of Planned Work and Emergent Work for approval by the BFOO. Following acceptance of this cost schedule, the Supplier will invoice the total amount against a BF issued Purchase Order (PO) number beginning with HME (e.g. HMExxxxxx).

NB: If your company already has a Purchase Order number assigned to you from the Authority, please seek advice from the BFOO as to whether or not you are to use that PO number. A specific Purchase Order number may be issued to you that correlates directly with the resultant contract from this Statement of Requirements.

- 9.4 All travel and subsistence costs related to defect repairs shall be paid, having been recharged for, at the Home Office reimbursable T&S rates as stipulated in Annex H.

10.0 Emergent Work

- 10.1 All Emergent Work is to be proposed to the Authority by the Supplier on an Emergent Work Individual Item Proforma, attached form under Annex L, with all costs and any time delay affecting the completion date contained on the proforma.
- 10.1.1 The BFOO may or may not authorise the Emergent Work cost and accept the time delay penalty (if any) and return the completed to the Supplier.
- 10.2 The supplier is to record the all Emergent Work costs on the attached Emergent Work Item Record Spreadsheet (Annex M), or in a similar format form, and provide an up to date copy at the Weekly progress meetings which are to be held during this contract for cross checking by the BFOO.

10.3 At Acceptance by the Authority, the Supplier will have scanned all Emergent Work Individual Item Proformas and issue them along with the overall cost contained on the Emergent Work Item Record Spreadsheet in an email to the BFOO.

10.4 Clarification, Progress Meeting and Acceptance Meeting(s)

10.4.1 The Supplier and the Authority will hold a Clarification Meeting at the beginning of the contract and hold at least weekly Progress Meeting(s) and an Acceptance Meeting at the completion

10.4.2 A formal minute record of the Clarification and Progress Meeting(s) are to be record by the Supplier.

11.0 Spares

11.1 All spare(s) are to be provided by the Supplier and the cost of supply of these items is to be borne by the Supplier and then be included in the Suppliers submitted quotation.

11.2 Unless specified as "Border Force supplied" and in accordance with 13.1, the supplier is to provide items required to undertake;

11.2.1 Overhaul

11.2.2 Service

11.2.3 Maintenance

11.2.4 Paint/Anodes

11.3 It is expected the Supplier will have costed in their tender for standard renewal costs, e.g. plate coolers seals and such like.

11.4 The only exception to the requirements of section 13 will be the replacement of damaged parts which could not have been foreseen before commencing any agreed work. Such parts will be covered under Emergent Work after BFOO approval to proceed.

Annex A: General Requirements of Works

1.0 Shore Power

- 1.1. The supplier is to provide 400-volt 50 Hz 63amp, three phase shore power from grid/mains for the duration of the maintenance/LSA period.
- 1.2. Supplier to provide costs for;
 - 1.2.1. Connection of shore power cable
 - 1.2.2. Disconnection of shore power cable
 - 1.2.3. Unit cost per kWh.
- 1.3. Payment of electricity consumed will be covered under the Emergent Work process.
- 1.4. If direct shore power is not available, the provision of a shore-based generator may be required after consultation with the BFOO.
 - 1.4.1. Supplier to provide costs for;
 - 1.4.1.1. Hire of generator
 - 1.4.1.2. Connection and disconnection of power cable
 - 1.4.1.3. Unit cost per kWh

2.0 Berthing

- 2.1 Provide secure alongside berthing as required during LSA / Maintenance period with a minimum depth of 1m below Low Water Spring Tides.
- 2.2 Supplier to provide costs for;
 - 2.2.1 Daily cost of berth IAW 2.1
- 2.3 Provide means of safe access

3.0 Third-Party Costs

- 3.1 Where a requirement stipulates the use of a third party, the Supplier is responsible for arranging the attendance of such suppliers. The Supplier is to include those costs in the section which stipulates the attendance.

4.0 Disposal of Waste and Cleanliness

- 4.1 The Supplier will be expected to clean any working areas, removing and disposing of those component parts that have been replaced. All waste created during this project is to be disposed of in accordance with any and all applicable national and international regulations. In so doing the Supplier will return the vessel to its original state of cleanliness on handover.

Annex B: Inspection, Testing and Certification of Safety Equipment.

1.0 Requirements for Certification.

- 1.1 The following items shall be Inspected and Tested where required. All items shall be issued a separate Certificate of Inspection and Testing.
- 1.2 All tasks are to be carried out by an approved examination test house, unless otherwise stated.
- 1.3 On completion of all work the supplier should provide inspection reports and certification for each separate task in the format detailed in Part 5 Section 8.

2.0 Documentation

- 2.1 Two copies of all certification required for regulatory compliance or requested by the Authority shall be supplied enclosed in clear envelopes within two four-ring ring binders.
- 2.2 Each binder shall be assembled using the ordering and numbering shown in SOP 08 (SOP 08 will be issued to the successful Supplier).
- 2.3 An electronic copy shall be forwarded by e-mail to the Authority in .pdf format.
- 2.4 All certificates and survey reports as specified are required are to be provided before acceptance meeting.
- 2.5 All certificates and reports specified as required are to be provided in hard copy folders to the vessel before departure and electronically emailed to the Authority.

NB: Although these sets of certifications are to be presented at the Acceptance Meeting, to minimize time spent in checking these during the acceptance meeting prior opportunity shall have been given to the Border Force Overseeing Officer to check the contents and the index.

3.0 Fire Fighting and Fire Detection

- 3.1 Inspect and clean the following Fire Detection System Detector Heads: -
 - 3.1.1 14x Heat Detectors (both fixed and rate of rise type); and
 - 3.1.2 One (1) Smoke (Light scatter) Detector
 - 3.1.3 Function Test the following: -
 - 3.1.3.1 12x Call Points
 - 3.1.3.2 8x Audible Alarm Units
 - 3.1.3.3 2x Alarm Indicator beacons.
 - 3.1.4 Inspect the Power Supply Unit (PSU) Batteries and connection: noting expiry date.
 - 3.1.5 Function test the system including secondary power mode.

- 3.1.6 Update test tally and submit formal tabulation of reading results, in the format of the attached Annex J.

3.2 Service, Survey and Certify the Engine Room Fixed CO2 Extinguishing System as follows:

NB: These tasks are to be carried out by an approved Marine Fire & Safety Contractor. Supplier to arrange.

- 3.2.1 Disconnect the Main CO2 cylinders from the system and insert blanks;
- 3.2.2 Visually inspect the whole CO2 system;
- 3.2.3 Blow through discharge pipe work system with clean air at a minimum pressure of at least 20 bar.
- 3.2.4 Check the contents and levels of the 3 main 45kg CO2 cylinders and the operating cylinders;
- 3.2.5 Check all flexible hoses for ageing;
- 3.2.6 Check pilot bottle pressures are greater than 120 Bar and within 10% of one another;
- 3.2.7 Function check of the pull handle to activate the cylinder valves, close valves and check for leakage;
- 3.2.8 Fill CO2 manifold with (+/- 25 bar) from a CO2 test cylinder (Main valves closed, or sections sealed).
- 3.2.9 Close and disconnect the CO2 test cylinder, check thread connections for leakage;
- 3.2.10 Check operation of pressure gauge and blow through the CO2 pipe work with the CO2 gas in the manifold
- 3.2.11 On completion, re-connect / re-commission the system.
- 3.2.12 Present the re-commissioned system to the Border Force Overseeing Officer for acceptance.

3.3 Fire Extinguishers

- 3.3.1 Inspect all fire extinguishers listed on SOP 08.
- 3.3.2 Carry out annual testing as per manufacturers instructions for each item.
- 3.3.3 5 kg CO2 x 8
- 3.3.4 2 kg CO2 x1
- 3.3.5 2 kg Dry Powder x1
- 3.3.6 9 litre Foam x 4
- 3.3.7 Fire Blanket x 1

3.4 Fire Hoses and Nozzles.

- 3.4.1 The following fire hoses and nozzles are to be examined. On completion of examination they should be tested to 5.25 bar. A certificate of examination and testing shall be issued.
- 3.4.2 1x 10 metre 1 ½ diam. fire hose & nozzle (Boat Deck)
- 3.4.3 1x 10 metre 1 ½ diam. fire hose & nozzles (Aft Deck)
- 3.4.4 2x 10 metre 1 ½ diam. fire hose & Nozzle (Fwd. Deck Port)

- 3.4.5 2x 10 metre 1 ½ diam. fire hoses and 1 nozzle (Main Deck, Mid Ship Port)
- 3.4.6 1x 10 metre 1 ½ diam. fire hoses & nozzle (Forward Machinery Space);
- 3.4.7 2x 10 metre 1 ½ diam. fire hoses & 1 nozzle (Engine Room)
- 3.4.8 On completion of survey, pressure test the hoses to 5.25 bar.

3.5 Carryout annual maintenance and survey of Breathing Apparatus Equip:

NB: These tasks are to be carried out by an approved Draeger service agent.

- 3.5.1 2 x Drager PA90 plus
- 3.5.2 1 x Drager PAS-LITE
- 3.5.3 9 in number 9 litre carbon fibre BA air cylinders:
- 3.5.4 2 sets Draeger CF10 EEED and their respective air cylinders:
- 3.5.5 2 sets Fireman's Equipment (Boat Deck)
- 3.5.6 1 Set Fireman's Equipment (Cupboard by Mess)

4.0 Survival Equipment.

4.1 Inspect, service and test inflatable lifejackets:

NB: These tasks are to be carried out by an MCA/ UK Flag State approved Survitec service agent.

- 4.1.1 10x Survitec Twin Shearwater SOLAS approved inflatable lifejackets are to be Inspected, serviced and tested.:
- 4.1.2 Issue individual certificates of inspection and test.
- 4.1.3 Report all defects found to the Border Force Overseeing Office

4.2 Annual Inspection and testing of Immersion Suits

- 4.2.1 The 20 x Survitec Immersion Suits are to be annually serviced by an approved service station. There are;
- 4.2.2 12 x Universal
- 4.2.3 4 x Large
- 4.2.4 4 x Extra Large
- 4.2.5 On completion of successful test issue certificate in the format detailed in Part 5 Section 8.

4.3 Satellite EPIRB

NB: This Inspection/Service to be carried out by an approved Jotron service agent whose details will be notified to the Authority with the submission of the formal quotation in accordance with the guidelines in MSC/Circ.1040, carryout annual testing of the 406Mhz satellite EPIRB as required by SOLAS regulation IV/15.9 from 01-July-2002.

- 4.3.1 Remove the EPIRB from the vessel and dispatch to approved service agent.
- 4.3.2 Survey & Service EPIRB

- 4.3.3 Inspect EPIRB Hydrostatic release expiry date and if less than 1 year remains and renew EPIRB hydrostatic release unit and plastic retaining bolt.
- 4.3.4 Check EPIRB battery.
- 4.3.5 Issue a service report with a list of the test results and maintenance performed and pass one photocopy and one original copy to the BFOO.

5.0 Safety & Rescue Equipment

- 5.1 Survey & Certify the 'Helicopter Strop' in use as a rescue sling.
- 5.2 Survey and Certify the following personal Safety Harness equipment:
 - 5.2.1 2x Lalizas deck safety body harnesses
 - 5.2.2 2x Seago safety lines.
 - 5.2.3 2x Waist Harnesses
 - 5.2.4 2x 1.5m restraint lanyards

- 5.3 Survey and Certify the fixed components of the GlideLoc Mast Installation

NB: These tasks are to be carried out by an approved GlideLoc / SALA Service Agent.

- 5.3.1 GlideLoc Fall Arrest Traveller
 - 5.3.2 Soll Fall Arrest Block
 - 5.3.3 Work Positioning Strap
- 5.4 Survey and Certify the following GlideLoc/SALA Mast Access Equipment personal safety equipment:

NB: These tasks are to be carried out by an approved GlideLoc / SALA Service Agent

- 5.4.1 2x SALA Full Body Harness to EN361 with back strap
 - 5.4.2 2x Climbers Helmet
 - 5.4.3 2x AG 10 rescue Kit
 - 5.4.4 2x Inertia Lanyard
- 5.5 MARS (Man overboard Recovery Ladder)
 - 5.5.1 The MARS recovery equipment is to be dispatched to the manufacturer Messrs SWL Ropes and Rigging Southampton for annual survey at;

Messrs SWL Ropes and Rigging
65 Bernard Street
Southampton
SO1 1BA
Tel: 02380 338286

- 5.6 Carry out thorough examine and certify the Scrambling net (including the securing arrangement).

6.0 Deck Equipment

NB: All equipment to be tested under Lifting Operations and Lifting Equipment (LOLER) and MGN 332 regulations.

6.1 Emergency Anchor Recovery Equipment

NB: The service is to be carried out by an approved test house whose details will be notified to the Authority with the submission of the formal quotation.

- 6.1.1 The following anchor recovery equipment is to be examined, certified and where appropriate tested:
- 6.1.2 1x Tractel Turffer tackle block and wire 3200kgs SWL
- 6.1.3 1x GS Double fall manual chain block x 6metres HOL 3000 SWL
- 6.1.4 1x Duplex polyester web belt sling terminating in a captive eyed latch hook one end only EWL 840 mm 3000 kgs SWL
- 6.1.5 1x Ace grade 8 alloy steel single leg chain, complete with 16/8 Bergok one end and 16/8 shortening clutches the other, EWL 400mm 3,500kgs SWL @ 90 degree
- 6.1.6 1x 16 mm diam. single leg wire rope sling terminating in soft eyes EWL 850mm 3000 kgs SWL
- 6.1.7 1x 1" Bow shackle 3750 kgs SWL
- 6.1.8 8x Screw pin bow shackles

6.2 Emergency Towing Equipment:

- 6.2.1 Remove the 32mm x 200 metre 8 strand Multi-plait Towing Line and associated Towing Shackles from vessel.
- 6.2.2 Undertake visual inspection of Towing Line and load test of shackles.
- 6.2.3 Report all Defects and findings to Border Force Overseeing Officer.
- 6.2.4 Return and re-store Towing Line and Towing Shackles onboard Cutter.
- 6.2.5 Report all defects found, with work recommendations, to the Border Force Overseeing Officer.

6.3 Inspect and certify the RHIB recover and securing equipment.

- 6.3.1 RHIB screw pin dee shackle
- 6.3.2 RHIB wire rope sling
- 6.3.3 RHIB turnbuckle
- 6.3.4 RHIB quick release pin
- 6.3.5 RHIB 10mm connector

6.4 Carry out a Dynamic Load Test of the anchor windlass using a horizontal load of 1.6 tonnes.

- 6.5 Carry out a Dynamic Load Test of the RHIB Recovery Capstan using a perpendicular load of 1.6 tonnes.
- 6.6 Carry out a Dynamic Load Test of the Port and Starboard After Mooring Capstans to 1.15 tonnes.
- 6.7 Survey and certify the RIB recovery equipment 12mm stainless steel rope, safety hook and swivel to a SWL of 1.6 tonnes.
- 6.8 On completion of successful test, update test tally and issue certificate in the format detailed in Part 5 Section 8
- 6.9 Man Overboard Boat (MOB) System

NB: the following items are to be carried out by an approved Schat Harding service agent whose details will be notified to the Authority with the submission of the formal quotation. The normal practise from Messrs Schat Harding is to use a service exchange QRH.

- 6.9.1 Carry out Annual Inspection and Maintenance of SEC MS2-7-40 MOB Davit.
 - 6.9.2 Carry out Annual Inspection and Maintenance of Schat-Harding RRH15 MOB quick release hook
 - 6.9.3 Carry out load testing of Schat-Harding RRH15 MOB quick release hook.
- 6.10 Zodiac 4.2 metre MoB Boat

NB 1. These tasks are to be carried out by an MCA or UK Flag State approved Zodiac service agent(s) whose details will be notified to the Authority with the submission of the formal quotation.

NB 2. On return the outboard is to be re-installed on the MoB Boat.

- 6.10.1 Removed and sent for service, survey & certification.
- 6.10.2 Survey & Certify 4 leg lifting sling and 4 lifting points.
- 6.10.3 MoB Boat 25hp Yamaha Long Shaft Outboard Engine:
- 6.10.4 Engine to be removed and sent for annual service as per manufacturer's instructions. All parts are Supplier supply.
- 6.10.5 On completion of work issue service report to BFOO.

7.0 Miscellaneous

- 7.1 Carry out annual inspection of 3 x 9 litre Rummage air bottles.
- 7.2 Microwave Ovens
 - 7.2.1 Inspect and Radiation test 2 x Microwave Ovens located in galley and mess deck.
- 7.3 Oxygen Therapy Kit
- 7.4 The onboard Oxygen therapy kit is to have its annual service carried out by an approved service agent.
 - 7.4.1 NB: There are 2 x Oxygen bottles
- 7.5 Gangway Brow SALA A type
 - 7.5.1 The gangway brow is to be inspected for weld/construction defects
 - 7.5.2 If item is satisfactory, a load deflection test of 450 kgs is to be conducted.

7.6 On completion of successful test issue certificate.

7.7 Boarding Ladders

7.7.1 The 2m Pilot ladder is to be dispatched to the manufacturer Messrs SWL Ropes (5.5.1) and Rigging Southampton for annual survey

7.7.1.1 Carry out thorough inspection of ships Boarding ladder.

7.7.1.2 On completion of successful test issue certificate.

Annex C: Vessel Maintenance Tasks

NB: Where it is stipulated in this SoR that approved engineers/agents are to be used, the Supplier shall submit details, to include business address and contact details, to the Authority, of these engineers/agents who will carry out the work alongside the formal quotation.

1. Deck

- 1.1. Overhaul Raised Coaming water tight hatches;
 - 1.1.1. Weather deck Fwd./Lower Deck Fwd. Accommodation;
 - 1.1.2. Weather deck / Waist Main Engine Room Access;
 - 1.1.3. Weather deck / Port Aft Peak Steering Compartment Access; and
 - 1.1.4. Weather deck / Stbd Aft Steering Compartment Access.
- 1.2. On completion of all work, function test the hatches to prove security and water tight integrity to the satisfaction of the Border Force Overseeing Officer.

2. Main Engine: Caterpillar 3516B

NB: Main Engine lubrication oil capacity is 405 litres (Castrol Vectron 15/40), Oil and Filters will be supplied by Border Force.

- 2.1. Change oil and filters on both Port and Stbd Caterpillar 3516B main engines:
- 2.2. Existing main engine lubrication oil charge is to be pumped out and disposed of in accordance with extant regulations.
- 2.3. Renew the lubrication oil filters.
- 2.4. Replenish the lubrication oil charge.
- 2.5. Change the main engine fuel filters (only change the 5x main filters).

3. Main Engine Gearboxes: Reintjes WLS930

NB: The Work covered in section 5.1 – 5.3 is for notification only, Border Force will arrange and fund all costs associated with Messrs Damen Shipyard Specialist Services carrying out this work.

The Supplier is to afford access, any work required out with the Border Force/Damen Specialised Services agreement, will be covered under the Emergent Work process.

- 3.1. Check the alignment of both main gearboxes to Engine and service the engine mounts, adjust accordingly.
- 3.2. Both Port and Starboard Main Engine Resilient Mounts (Rubber Design TT-1X 4x per engine) are to be:
 - 3.2.1. Visually inspected for failure of the rubber insert;

- 3.2.2. Dimensional check of all four engine mounts are to be made to ensure the requisite loaded heights are in accordance with the manufacturer's recommendations;
 - 3.2.3. The main holding down bolts are checked to ensure they remain torqued to 1,000 Nm;
 - 3.2.4. The engine mount fixing bolts are checked to ensure they remain torqued to 400 Nm;
 - 3.2.5. The buffer screw mounting height is verified as correct in accordance with the manufacturer's recommendations.
- 3.3. Provide a written report on the engine mount heights and condition.

4. Main engine Port and Stbd Reintjes WLS930 Reduction Gearboxes

NB: This service is to be completed by an approved Reintjes service agent.

- 4.1. Annual external inspection;
- 4.2. Open the Inspection plates and carryout an internal inspection of the pinions and gearwheels in accordance with Reintjes WLS & WVS maintenance service routines.
- 4.3. Test all temperature and pressure shut down devices.
- 4.4. Change P&S Gearbox Oil & Filters (Border Force Supply)
- 4.5. Existing gearbox lubricating oil change is to be pumped out and disposed of in accordance with extant regulations.
- 4.6. Renew the in-use lubricating oil filters (only change the in-use oil filter).
- 4.7. Change the sinter filter.
- 4.8. Replenish the lubricating oil charge.

NB: Main Gearbox lubrication oil capacity is 90 litres (Castrol MHP 153), Lube Oil to be Border Force to supply.

- 4.9. On completion, a Reintjes Service Report is to be provided to the Border Force Overseeing Officer in both hard and electronic copy formats.

5. Steering Gear Installation

NB: there are two electronically linked Steering Gear installations each installation has two hydraulic pumps and consequently two starters

- 5.1. Carry out visual and physical inspection of the Port & Starboard steering gear installations checking for:
 - 5.1.1. Hydraulic leaks;
 - 5.1.2. Wear on Hydraulic Hoses;
 - 5.1.3. Cylinders and rams for leakage;
 - 5.1.4. Tightness / security of linkages & connection; and
 - 5.1.5. Inspect tank anti-vibration mounts.
- 5.2. Inspection Report is to be provided to the Border Force Overseeing Officer in both hard and electronic copy formats.

6. **Bow Thruster**

- 6.1 Check the condition of the Bow Thruster flexible coupling element and the mounting bolts.
- 6.2 Report findings to the Border Force Overseeing Officer.
- 6.3 The following Bow Thruster hydraulic power pack hydraulic oil filters are to be changed:
 - 6.3.1 Filter Element No E26N - Off Line Filter
 - 6.3.2 Tank Top Return Filter H33O R20N
 - 6.3.3 Tank Top Return Filter H160 R20

NB: Filters are Border Force supplied.

7. **Emergency Fire Pump**

- 7.1. 50hr service on Lombardini Diesel Firefighting Pump Engine as per manufacturer's instructions for 250 hours.
- 7.2. Service Report is to be provided to the Border Force Overseeing Officer in both hard and electronic copy formats.

8. **Portable Salvage Pump**

- 8.1. Carry out 50 Hour service on the Yanmar L48 4.8HP diesel engine as per manufacturer's instructions for 250 hours.
- 8.2. Service Report is to be provided to the Border Force Overseeing Officer in both hard and electronic copy formats.

9. **Separ Fuel Filters Fuel Oil System**

- 9.1. Three (3) engine SEPAR coalescer fuel filters are to be:
 - 9.1.1. Removed, stripped, cleaned and inspected.
 - 9.1.2. Renew filter elements as necessary.
 - 9.1.3. Refill with FO when finished.

NB: two (2) are in use and one (1) is on standby. Filters are Border Force supplied

10. **Domestic Water System**

- 10.1. Hydrophore (BT) Fresh Water Hydrophore Unit.

- 10.1.1. Disconnect and drain the hydrophore.
- 10.1.2. Inspect the hydrophore cylinder and rubber bladder.
- 10.1.3. Remove the bladder, clean it with freshwater and sterilize it.
- 10.1.4. Inspect the cylinder for excess corrosion, leaks or damage.
- 10.1.5. Inspect the bladder for damage, leaks or signs of perishing: renew the bladder if necessary.
- 10.2. Re-pressurise the air space between the hydrophore cylinder and bladder to 0.2 bar.
- 10.3. On completion of all work re-commission the system and function test to the satisfaction of the Border Force Overseeing Officer and report details.
- 10.4. Domestic Hot FW System:
 - 10.4.1. 2 x Daalder domestic fresh water calorifier Heaters (No.1 and No.2)
 - 10.4.2. Inspect & Pressure Test Calorifiers (carry out pressure test to 6 bar for 15 minutes).
 - 10.4.3. Inspect for leaks and damage.
 - 10.4.4. Check pressure setting of PRV, replace if more than 2 years old, BF supply
- 10.5. Supply local tallies to record the pressure and test date and issue ISO 9001 standard certificate of test.
- 10.6. Carry out and record insulation test on the 6 kW Heating elements in both calorifiers.
- 10.7. Inspection Report is to be provided to the Border Force Overseeing Officer in both hard and electronic copy formats.

11. Air Conditioning System

- 11.1. Replace the AC Compressor drier filling.
- 11.2. Inspect the condition of the V- belts driving the ventilation fan.
- 11.3. Measure the deflection/tension of the v-belts and adjust as required.
- 11.4. Inspect refrigeration system pipework and system.
- 11.5. Inspection Report is to be provided to the Border Force Overseeing Officer in both hard and electronic copy formats.

12. Electrical Distribution

- 12.1. Check insulation readings on listed circuits.
- 12.2. Check and record insulation readings on all circuits from the following locations:
 - 12.2.1. Main switchboard (Engine Room) 415/240V 50Hz.
 - 12.2.2. P1 power/lighting distribution board (Engine Room) 415/240V 50Hz
 - 12.2.3. P2 power/lighting distribution board (Forward Machinery Space) 415/240V 50Hz

- 12.2.4. L3 lighting distribution board (Main Deck Technical Room) 415/240V 50 Hz.
- 12.2.5. L4 lighting distribution board (Wheelhouse) 415/240V 50 Hz.
- 12.2.6. Central distribution board (Wheelhouse) 415/240V 50Hz.
- 12.2.7. AC plant distribution board (Forward Machinery Space) 415/240V 50 Hz.
- 12.3. Submit formal tabulation of reading results in the format of the attached Annex K
- 12.4. Shore Power Supply:
 - 12.4.1. Inspect & Test Shore Power Connection Box & Cable 01;
 - 12.4.2. Submit formal tabulation of reading results, in the format of the attached Annex;
- 12.5. Earth Bonding:
 - 12.5.1. Check Earth Bonding of Shafts, Rudders & Stabilizers;
 - 12.5.2. Submit formal tabulation of reading results, in the format of the attached Annex;
- 12.6. Clean, Inspect and Test Starters and Motors for the following:
 - 12.6.1. Anchor Windlass
 - 12.6.2. Port and starboard capstans (2 in total)
 - 12.6.3. MOB Boat Davit
 - 12.6.4. Steering gear system pumps (4 in total)
 - 12.6.5. Bilge/general service pumps (2 in total)
 - 12.6.6. FW hydrophore pumps (2 in total)
 - 12.6.7. AC pump
 - 12.6.8. AC compressor
 - 12.6.9. Tasks for 14.6.1 – 14.6.8 to include:
 - 12.6.9.1. Insulation testing
 - 12.6.9.2. Continuity testing of earth bonding
 - 12.6.9.3. Function test of current overload devices
 - 12.6.9.4. Function test of anti-condensation heaters
 - 12.6.9.5. Motor bearing condition checks
- 12.7. On completion of all work, restore power supply and function test to the satisfaction of the Border Force Overseeing Officer.
- 12.8. Inspection Report is to be provided to the BFOO in both hard and electronic copy formats.

13. 240v Portable Appliances

- 13.1. Carryout & Document PAT on 150 items of 240v Appliances.
- 13.2. A Portable Appliance Test (PAT) is to be carried out on up to 180 portable appliances (including privately owned appliances used onboard).

13.3. On completion of satisfactory test, label each appliance with a suitable identification label indicating:

13.3.1. Pass.

13.3.2. Date of Test and Initials of tester.

13.4. Submit formal tabulation of reading results.

14. **Magnetic Compasses:**

14.1. Inspect & carryout compass Swing on the binnacle mounted Lilley & Gillie SR-3 magnetic compasses on the wheelhouse top.

14.2. Inspect the spare Lilley & Gillie SR-3 magnetic compass held in the messroom.

14.3. Inspect & carryout compass Swing on the binnacle mounted Lilley & Gillie SR-3 magnetic compasses on the wheelhouse top.

14.4. Inspect the spare Lilley & Gillie SR-3 magnetic compass held in the messroom.

14.5. On completion of the compass swing issue a deviation card for the compass to the onboard crew and pass copies to the BFOO.

14.6. The compass swing is to be carried as early as possible after the completion of the annual maintenance period: at the convenience of the vessel's Commander, when the vessel is fully operational with all equipment embarked.

NB: 1. It is important that the spare compass is stowed inverted so that wear on the bearing is avoided.

15. **Super Chlorination of the Domestic Fresh Water System**

15.1. Super chlorinate the Fresh Water Holding Tank.

15.1.1. Open the fresh water holding,

15.1.2. Carry out visual survey of the tank coating in conjunction with International Paints representative/BFOO

15.1.3. Once the tank coating is acceptable, re-fit the holding tank lids, using new nitrile material gaskets

15.1.4. Press up the holding tank with treated super chlorination mixture

15.1.5. Run water through ALL taps, hoses and shower heads: ensuring the super-chlorination concentrate levels are monitored and maintained.

15.1.6. De-chlorinate the freshwater tank: run through ALL taps, hoses and shower heads.

15.1.7. Drain down the system & the holding tank.

15.1.8. Super chlorinate the Fresh Water Holding Tank.

15.1.9. Re-fill up Fresh Water tank, take water samples of the onboard system and shoreside

15.1.10. Submit samples for analysis of potability and legionary's disease

15.1.11. Provide a certificate of potability and no legionary present upon completion of satisfactory tests.

NB: Failure to achieve WHO test standards for both potable water and legionary will require re super-chlorination and re-testing at the Suppliers cost, until satisfactory test results are obtained.

16. Painting

16.1. An allowance of 35 hours is to be provided for surface painting of bollards, hatches, guardrails etc, as directed by the BFOO. All International Paint is to be BF Supply from the attached paint specification.

Annex D: Modifications and Defect Rectification

1. The LEC Intruder alarm system is to be;
 - 1.1. All roller contacts switches replaced on access doors and hatches
 - 1.2. Tested to prove operation to the satisfaction of the BFOO
2. The Aft Shower cubicle next to the Engine Room bulkhead is to have
 - 2.1. Water damaged sections of the cubicle partitions are to be removed
 - 2.2. Border Force will supply new Cubicle partition formican full height sheets which are to be to be cut to size suit and then installed
 - 2.3. The present shower tray is to be re-sealed to the new partitions and the quarter height overlay shower tray partitions installed and sills re-fitted
 - 2.4. The cubicle is then to be fully sealed to prevent water ingress to the satisfaction of the BFOO



3. The leaks on the Alfa Laval Fuel Coolers pipe work connections for the:
 - 3.1. Port and Stbd Main engine
 - 3.2. Generator
 - 3.3. All three are to have the joints re-made using new gaskets/joints
4. The 7 Of fresh water windscreen washer injection nozzles are to be;
 - 4.1. Removed
 - 4.2. Cleaned and orifices checked for blockages
 - 4.3. Re-installed and tested
5. The 7 Wynn windscreen wiper assemblies are to be;
 - 5.1. Opened for inspection
 - 5.2. Survey completed on their drive assemblies

- 5.3. Reported to the BFOO.
6. The Directional Finder Antenna array on top of the mast is to be re-secured
7. The Stabiliser control system is to be upgraded to the latest system. Border Force will be supplying a new Naiad Dynamics DATAUM control system, the Supplier will be responsible and cost for:
 - 7.1. Installation of the Canbus cable from the Stabiliser power pack in the Engine Room and Technical Room through to the Engineer's Console in the Wheelhouse, using bulkhead glands/transitions to Lloyds approved methods
 - 7.2. Removal of existing control panel in the Wheelhouse Engineer's panel
 - 7.3. Mounting the new control panel in the Wheelhouse Engineer's console, making good the existing aperture, to suit the new control panel
 - 7.4. Mounting the control box in the Engine Room adjacent to the stabiliser power pack
 - 7.5. Additional work will be covered by the Emergent Work process

NB: Border Force will arrange for Messrs Naiad Dynamics to attend to commission and set to work the new stabiliser control system at Border Force cost

- 7.6. Whilst the Can bus cable is being installed, a new coaxial cable is to be run from the Tech Room to the Mess TV area, with 2m cable loop at either end for the crew to terminate
8. The existing Anemometer unit at the top of the mast is to be removed and the new Border Force supplied Anemometer is to be secured and connected
9. The Freeman Rope locker foredeck flush hatch is to be
 - 9.1. Cleaned back of all corrosion
 - 9.2. The sealing sill is to be checked for concentric of height and thickness
 - 9.3. The sill height to be built-up to provide a concentric level of height and thickness
 - 9.4. A new Border Force supplied seal installed in the hatch
 - 9.5. Chalk tested to prove the seal is water tight
 - 9.6. Re-preserved in accordance with the vessel's paint specification¹⁰.
10. The aft deck HF antenna housing is to be cleaned back of all corrosion and preserved in accordance with the attached paint specification. Supplier to supply paint.

NB: This will require disconnection of the HF antenna and re-connection.

11. The bow thruster compartment sea strainer is to be removed and "pickled" to remove all calcium deposits

Annex E: General Arrangements

See separate documents for the General Arrangements

Annex F: Vessel Details

HMC Vigilant - DAMEN 4207 Class	
Length o. a	42.80m
Breadth o. a	6.95m
Depth mid	3.77m
Summer Draught	2.15m (to base)
Displacement	251.1 tons
Deadweight	69.3 tons
Gross Tonnage	235 tons
Built to Lloyds	100A1 SCC

Annex G: Acceptance Certificate**Acceptance Certificate****Border Force****PART I: to be completed by Supplier****HMC VIGILANT**

HMC Vigilant having completed its Maintenance and Safety Equipment Recertification (C18064) by the Supplier to the satisfaction of the Authority and having successfully completed all trials and provided all documentation required under the Authority's Contract No C18064 is this day offered for acceptance by the Border Force.

Signed:**For and on Behalf of the Supplier****Print Name****Date:****PART II: to be completed by The Authority****By Vessel Commander:**

I attended basin and sea trials of HMC Vigilant and have satisfied myself that all systems, machinery and equipment are working satisfactorily. I have inspected the Cutter and consider she is in a condition suitable for return to operational service. Outstanding items are noted as attached.

Signed:**Print Name / Post****By Border Force Overseeing Officer:**

HMC Vigilant having completed its Maintenance and Safety Equipment recertification to the satisfaction of the Authority and having completed all trials and documentation required under the Contract is hereby accepted at hours.

Signed:**Border Force Overseeing Officer****Print Name:****Date:****PART III: Outstanding Items**

Any outstanding items are to be noted, appended to this form and signed by both the Supplier and the Authority. Dates when these outstanding items are to be "completed by" are to be agreed and shown.

Distribution

Original - Retained by the Supplier
 Copies to - Border Force Overseeing Officer; and
 Cutter Chief Engineer (for Ships Book).

Annex H: Reimbursable Expenses

The Supplier may claim the following Reimbursable Expenses at the rates set out below:

1. Travel

Standard rate of allowance for private cars

Initial 10,000 miles	40p per mile
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Additional miles over the initial 10,000	25p per mile
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Public transport rate	23.8p per mile
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2. Hotel rates

London	£125 per night
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All other locations other than London	£90 per night
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Annex I: Paint Specification

Please see attached specification


Annex J: Lubrication Specification

Please see attached specification

Annex K: Table of Readings

Please see the attached list

Annex L: Emergent Work Individual Item Proforma

Emergent Work (EW) Individual Item Proforma				 Border Force	
EMERGENT WORK ITEM No: C18064/					
<i>Description</i>					
Signed, BFOO:			Date:		
PART I: By Supplier					
The above item is accepted as a genuine Emergent work item.					
Our Firm Price is*			£		
Our Realistic Estimate is*					
Price Breakdown	Labour	£	Hrs X	Per/hour	
	Materials	£			
	Sub-contract	£	Profit @	%	£
Signed:			Position:		
			Dated:		
TIME PENALTY (if any) The completion date of the contract* will/will not be affected by this item.					
PART II: By Border Force Overseeing Officer					
It is agreed that this is a genuine emergent work item and authority is given for the work to be undertaken.					
The Above Firm Price/Realistic Estimate* of £			ACCEPTED	REJECTED	
Signed:			Date:		
Notes:					
*- Delete as required					
All interactions pertaining to Emergent Work are to be carried out strictly in accordance with Section 10, Sub-sections, 10.1- 10.5, inclusive.					

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Annex N: Certification to be Issued in Accordance with Border Force SOP 08

SOP 08 will be made available to the Supplier post contract award,

Annex O: Survey Reports

1. Portable Appliance Testing
2. Electrical insulation test results
3. Alternator insulation test results
4. Reintjes Gearbox
5. Intentionally Blank
6. Hatches, water test
7. Steering Gear inspection
8. Bow thruster coupling
9. Potable Fire pump service
10. Emergency Fire pump
11. Hydrophore
12. Air Conditioning
13. Electrical Starters
 - 13.1 GS pumps x 2
 - 13.2 Capstans x 2
 - 13.3 Anchor Windlass
 - 13.4 Davit
 - 13.5 AC pump
 - 13.6 Hydrophore pumps x 2
14. Davit

Annex P: Acceptance Meeting Agenda

1. Attendees
 2. Defects Outstanding
 3. Certificates and Survey Reports
 - 3.1 Certificates as per Annex M
 - 3.2 Survey Reports per Annex N
 4. Completed ASM work forms
 5. Financial
 - 5.1 Contract
 - 5.2 Emergent work
 - 5.3 Additions to contract
 - 5.4 Invoices
 6. Completed signed maintenance work orders
 7. Return of all drawings and manuals
 8. Spares to be returned
 - 8.1 Unused spares
 9. Point of contact for warranty - including out of hours
 10. Border Force Acceptance form - Annex F
 11. AOB
- NB.** The meeting minutes are to be recorded by the Supplier and emailed to the BFOO.

Annex Q: Basin Trials Report Form

Please see attached document