

- 8.3.1 The COSHH Regulations require arrangements to control the exposure of Employees to all substances which may affect their health.
- 8.3.2 The substances covered by the COSHH regulations include:
- Substances classified as corrosive, harmful or irritant.
 - Substances for which an occupational exposure standard or maximum exposure limit has been declared.
 - Micro-organisms which create a hazard to health.
 - Dust of any kind in substantial concentrations.
- 8.3.3 Exceptionally, substances covered by other legislation are not included e.g. lead, asbestos and radioactive sources.
- 8.3.4 At the commencement of the conversion the Contractor is to commence the production of a record of the hazardous substances introduced onboard as a result of the Refit Period.
- 8.3.5 On completion of the Refit the Contractor is to update the record and issue 2 copies to the Authority Authorised Representative.
- 8.3.6 The Contractor is to retain one copy for their own records.
- 8.3.7 The supply and return of Halon and Refrigerant Gases are to be in accordance with the Montreal Protocol.
- 8.3.8 If there is any doubt as to the requirements referred to above, the Contractor is to consult the Authority's Authorised Representative.

8.4 Welding Burning and Hotwork Routines

- 8.4.1 The Contractor is to ensure that their staff comply with Health and Safety Regulations with regard to work practices involving welding, burning and hot work onboard the Vessel.
- 8.4.2 The Contractor is to publish orders, to the satisfaction of the MOD Representative, setting out the practices and procedures which the Contractor's Staff will follow in order to meet the Health and Safety Regulations.
- 8.4.3 All hot work onboard the Vessel is to be within the control and supervision of an onboard organisation which is to be provided by the Contractor. A log of all hot work activities is to be maintained at all times.
- 8.4.4 When the Vessel is in the Contractor's custody the Authority's Authorised Representative, may stop all hot work should they be dissatisfied with the precautions being taken. They will make their objections known to the Contractor's management, should this occur.
- 8.4.5 The Contractor is responsible for ensuring that a fire sentry attends at all times when welding, burning or hot work is taking place, and to seek out possible points of ignition both around the craftsman and also on the other side of bulkheads, division plates, adjoining compartments, etc.
- 8.4.6 The Contractor is responsible for the provision of the appropriate fire extinguishers and for ensuring that fire sentries provided by the Contractor are fully trained in their use. The fire sentries and fire extinguishers are to be provided in addition to the onboard firefighting equipment.

8.5 Reporting of Serious Incidents

- 8.5.1 The Contractor is to inform the Authority's Authorised Representative immediately of any incident which causes damage to any part of the Vessel, or injury to Personnel or which leads to a serious breach of security or safety. Where any incident gives rise to a Special Investigation, a copy of the report is to be forwarded on request to the Authority's Authorised Representative and/or the Quality Assurance Representative.

8.6 Environmental Protection

- 8.6.1 The Contractor is to ensure that all relevant MARPOL regulations are adhered to during the Refit period whilst conducting any work involving environmentally hazardous materials. All environmental controls and legislation imposed by the Local Port Authorities are also to be agreed before Refit work commences and adhered to throughout the period of the Refit.

9 Asbestos and Other Hazardous Materials

9.1 Asbestos Regulations

- 9.1.1 The vessel Repairer shall not supply or fit any CSMS containing asbestos in any form. Where the vessel repairer can not identify any alternative non-asbestos material, then the Authority's Authorised Representative is to be notified who will then issue the necessary instructions.

9.2 Thermal and Insulating Materials

- 9.2.1 The contractor is advised that various materials potentially injurious to health may have been used in the construction of the vessel. These include asbestos. Due care should be taken in the working of these materials and safe methods of waste disposal used. An asbestos survey has been completed and the report is available to the contractor (REF 1). Any asbestos removed must be undertaken by a HSE licensed asbestos removal specialist:

Attention is drawn to the serious health hazard associated with work removing thermal and acoustic insulation containing asbestos and the stringent control measures necessary to reduce these hazards, particularly where CROCIDOLITE (BLUE ASBESTOS) or AMOSITE (BROWN ASBESTOS), usually applied in the spayed form, may have been used for structural insulation during construction of the vessel.

- 9.2.2 Other materials may have been used as well, e.g. ANTHOPHYLITE. Typical areas where the material may remain are the underside of decks, vessel's sides, bulkheads, frames, stringers, beams and girders, funnel casings and ventilation systems.
- 9.2.3 Other forms of thermal insulation, e.g. calcium silicate, containing asbestos may also be found on pipe systems throughout the vessel and in heavy concentrations in the main and auxiliary machinery spaces. This may have been applied by spraying on individual equipments or attached in block or cement form.
- 9.2.4 The contractor shall adhere to all statutory measures for dealing with hazardous material in accordance with Control of Asbestos Regulations 2012, and Health and Safety at Work Act 1974.
- 9.2.5 An up to date Inventory of Hazardous Materials (IHM) will be provided to the contractor prior to RPSD.

10 Contract Progress Meetings

10.1 Progress Meetings

10.1.1 Contract Progress Meetings will be held between the Authority Authorised Representative and the Contractor. These meetings will be chaired by the Authority Authorised Representative. The Contractor is to provide, on request, adequate conference room facilities for these meetings.

A typical agenda for a Progress Meeting is as follows:

- Minutes of the last meeting.
- Matters arising.
- Safety.
- Security.
- Cleanliness.
- Dockside Services and Facilities.
- Drawings, guidance and other information.
- Material.
 - a) MOD Equipment Delivery Programme (EDP).
 - b) Contractor Supply Material (CSM).
- Progress Reports.
 - a) Inspections, tests and trials programme.
- Variation orders.
- Quality.
- Defects – particular items not covered above.
- Review of PMP and remaining upkeep period programme.
- Project status – assessment by the Chairman.
- Any other business.
- Date of next meeting.

10.1.2 The Authority's Authorised Representative will arrange the first meeting on or about Preps Period Start Date. This first meeting will be the Take in Hand Meeting. Subsequent Progress Meetings will then be held on a regular basis as determined by the Authority's Authorised Representative.

10.1.3 The Contractor is to provide to the Authority's Authorised Representative, at least 24-hours in advance of each Progress Meeting, updated copies of the Key Date Schedule amended to reflect both progress to date and proposed changes to the forward programme. Also, to be provided at this time is expenditure/costing information as required under the contract.

10.1.4 The Authority's Authorised Representative will determine attendance at the above meetings.

11 Electrical

11.1 Regulatory authorities

All work carried out is to be in accordance with current Institution of Electrical Engineers (IEE) Regulations for Ships.

11.2 Isolation

A "Locked Off and Tagged Out (LOTO)" system is to be maintained in accordance with the Terms and Conditions applicable to this contract.

11.3 Handover of the System

The Vessel Repairer's attention is drawn to the legislative requirements for work on Medium and High voltage systems.

11.4 Inspections

11.4.1 Where new equipment is installed, it shall be presented to the Authority's Authorised Representative before the system or equipment is energised.