

## 2.3. Design Life

The minimum periods of time for new assets to last before replacement are shown in Table 2-1.

Asset type	Minimum Design Life (years)
Pipelines	60
Structures	30
Mechanical and Electrical Equipment	15
Instrumentation, computer hardware & sensors	5

**Table 2-1 – Design Life**

It is recognised that maintenance, repairs and in the case of MEICA equipment, parts replacement, will be required during the above periods. A planned maintenance schedule and spare parts list shall form part of the design submission documentation.

The design life given in Table 2-1 is to be used in the NPV calculations for asset replacement.

## 2.4. Investigations

The Consultant shall note that he may need to carry out site surveys and investigations during the design process which may take a significant amount of time to complete. These may include:

- Environmental studies, e.g. hydrodynamic modelling
- Marine studies
- Ecological studies
- Traffic studies
- Geotechnical and groundwater investigations

## 2.5. Environmental Impact

### 2.5.1. Environmental Legislation

The Consultant's drainage proposals shall comply with all relevant local and regional legislation and international conventions and protocols to which Abu Dhabi is a signatory.

The relevant requirements are given in Appendix A1.

The Consultant shall note that no project can commence prior to securing the appropriate approval in accordance with the regulations determined by the Competent Authority.

The Consultant shall comply with the Standard Operating Procedures and Technical Guidelines produced by the Environment Agency Abu Dhabi.

Where there is any conflict between the legislation or standards a decision shall be sought from DMAT on the correct application.

### 2.5.2. Cultural Heritage Permitting Requirements

It is the responsibility of the Consultant to ensure that all current requirements relating to cultural heritage permitting are complied with during the project.