**Requirement Specification Windlass**

1. **Requirements**

**1.1. Description of the requirement**

The Royal Danish Navy operates a minor vessel in protected areas around Denmark. The main dimensions of the vessel are lpp x b x dpl: 24,15m x 6,96m x 115t. The vessel is of class DNV-GL 1A1 LC R2 (dnk) Naval Support.

This implicates that equipment must be suitable for professional use and not yacht standard, i.e. class approved or Wheelmarked.

The Navy wants to acquire a windlass for replacement of existing equipment onboard the vessel.

**1.2. Description and definitions**

The requirement specification, cf. section 1.4, describes all the requirements for the acquisition and consists of six columns with the following information:

|  |  |
| --- | --- |
| "#" | ID number |
| "Requirement" | Requirement description |
| "Classification" | The classification of the requirement as further described in section 1.3 |
| "DALO remarks" | Further information regarding the requirement |
| "Requirement compliance" | The tenderer's indication of compliance (YES or NO) |
| "Tender description" | Requirements regarding the tenderer's compliance description |

**1.3. Classification**

All requirements are mandatory requirements (SHALL) and shall be fulfilled by the tenderer. If just one of the mandatory requirements is not fulfilled, the tenderer's tender will not be taken into further consideration.

**1.4. Requirement and response sheet**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **#** | **Requirement** | **Classification** | **DALO remarks** | **To be filled out be the tenderer** | | |
| **Requirement compliance**  **(tick a box)** | | **Tenderer's description** |
| **YES** | **NO** |
| **1** | The windlass to be electrically powered | SHALL | Power is 440 V AC |  |  |  |
| **2** | Chain dimensions are 17,5 mm stud link | SHALL |  |  |  |  |
| **3** | Mounting of windlass must be by bolted connection | SHALL | DALO intends to remove existing windlass foundation and built a new foundation that fits the new windlass. The new foundation is not part of the delivery of windlass. |  |  |  |
| **4** | Pulling power to be at least 1500 kg | SHALL |  |  |  |  |
| **5** | Hoisting speed to be at least 12m/min | SHALL |  |  |  |  |
| **6** | Brake must be able to hold at least 45 % of the anchor chains breaking load | SHALL |  |  |  |  |
| **7** | Delivery to include chain stopper | SHALL |  |  |  |  |
| **8** | Surface treatment to be epoxy Navy Grey | SHALL |  |  |  |  |
| **9** | Starting panel to be included in delivery | SHALL |  |  |  |  |
| **10** | Control panel to be included in delivery | SHALL |  |  |  |  |
| **11** | The delivery time must be less than 42 days from submission of the purchase order | SHALL |  |  |  |  |