**Requirement Specification Bow Thruster**

1. **Requirements**

**1.1. Description of the requirement**

The Royal Danish Navy operates a minor vessel in specialized tasks in protected Danish areas. The main dimensions of the vessel are lpp x b x dpl : 24,15m x 6,96m x 115t, and the vessel is of class DNV-GL 1A1 LC R2 (dnk) Naval support. The vessel has pump jet propulsion aft.

The operations are conducted in maximum 12 m/s wind speed.

The Navy wants to acquire a bow thruster for later installation onboard the described 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 thruster must deliver at least 250 kg of thrust | SHALL |  |  |  |  |
| **2** | The thruster must be electrically powered | SHALL | Electric supply is 440 V AC |  |  |  |
| **3** |  Delivery must include control panel and the necessary cabling for connection to the wheel house | SHALL | Distance from foredeck to wheel house 10 m. |  |  |  |
| **4** | Starter panel to be included in delivery | SHALL |  |  |  |  |
| **5** | Anodes for corrosive protection to be included. | SHALL |  |  |  |  |
| **6** | Delivery to include full surface treatment against corrosion | SHALL |  |  |  |  |
| **7** | The delivery time must be less than 42 days from submission of the purchase order | SHALL |  |  |  |  |