**Requirement Specification**

**Primary Battery, CR123, Lithium (LiMnO2)**

1. **Requirements**

**1.1. Description of the requirement**

DALO wants to acquire 15.000 pcs. CR123/IEC-CR17345 batteries.

**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 rated battery capacity must be typically 1500 mAh or greater. | SHALL | *The tenderer SHALL submit documentation for the fulfillment of the requirement.*  Measurement. Discharge down to 2.0V with a resistive load = 100 Ω at a temperature = 20°C. |  |  |  |
| **2** | The battery must have a PTC safety device to limit current during short circuit conditions. | SHALL | *The tenderer SHALL submit documentation for the fulfillment of the requirement.* |  |  |  |
| **3** | Temperature ranges must be at least, Storage temperature: -40°C to +60°C Operating temperature: -40°C to +60°C | SHALL | *The tenderer SHALL submit documentation for the fulfillment of the requirement.* |  |  |  |
| **4** | The continuous discharge current must be 1500 mA or greater. | SHALL | *The tenderer SHALL submit documentation for the fulfillment of the requirement.* |  |  |  |
| **5** | The maximal pulse current must be  3500 mA or greater. | SHALL | *The tenderer SHALL submit documentation for the fulfillment of the requirement.* |  |  |  |
| **6** | The battery must be tested to UL-1642 and UN 38.3 or equivalents. | SHALL | *The tenderer SHALL submit documentation for the fulfillment of the requirement.* |  |  |  |
| **7** | Max Reverse Current. 2 µA or greater. | SHALL | *The tenderer SHALL submit documentation for the fulfillment of the requirement.* |  |  |  |
| **8** | The delivery time must be less than 60 calendar days from submission of the purchase order. | SHALL |  |  |  |  |