**Requirements specification for the tender of military battery charger racks for workshop**

1. **Requirements**
   1. **Description of the tender**

**DALO wants to purchase:**

* 10 EA military battery charger racks.
* 10 sets of AN/PRC-152 type battery adapters.
* 10 sets of RF-7800S-TR (SPR) type battery adapters.
* 5 sets of BB-2590 battery adapters.
* 5 sets of BB-2525 battery adapters.
  1. **Description of the requirements specification**

The requirements specification, see section 1.5, describes all requirements and consists of five columns with the following information:

|  |  |
| --- | --- |
| "No." | Identification number |
| "Requirement" | The category of the requirement as specified in section 1.3 |
| "DALO comments" | DALO's comments, if any, to the requirement |
| "Requirement fulfilled" | The tenderer's fulfillment of the requirement |
| "The tenderer's comments" | The tenderer's comments, if any |

* 1. **List of Abbreviations**

|  |  |
| --- | --- |
| Abbreviation | Definition |
| MBCR | Military Battery Charger Rack |
| DALO | Danish Ministry of Defence Acquisition and Logistics Organization |

* 1. **Requirements**

All requirements are MANDATORY and must be fulfilled in the tenderer's offer.

DALO will disregard the offer, if all requirements are not fulfilled.

* 1. **Requirements specification**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Requirement** | **DALO's comments** | **To be completed by the tenderer** | | |
| **Requirement fulfilled (tick the box)** | | **The tenderer's comments** |
| **Yes** | **No** |
|  | Complete MBCR inside one 19-inch rack. |  |  |  |  |
|  | MBCR has castors for easy relocation in workshop. |  |  |  |  |
|  | MBCR is less than 2 meters tall (including castors). | Height limitation originates from elevator door opening. |  |  |  |
|  | MBCR has input power of 230VAC 50/60Hz max.10A. |  |  |  |  |
|  | MBCR has built-in hardware and software to operate independently/stand-alone. |  |  |  |  |
|  | MBCR supports DQ protocol. |  |  |  |  |
|  | MBCR supports HDQ protocol. |  |  |  |  |
|  | MBCR supports SMBus protocol version 1.1. |  |  |  |  |
|  | MBCR exports battery data logs. | Connects to PC for export of data. |  |  |  |
|  | MBCR shows status of each battery connected on one display. | I.e. operator is able to see SoC/SoH/charging/discharging/etc., for all batteries, from one screen/display. |  |  |  |
|  | MBCR charges all batteries simultaneously. |  |  |  |  |
|  | MBCR charges single battery or multiple batteries to any percent SoC chosen by operator. |  |  |  |  |
|  | MBCR discharges all batteries simultaneously. |  |  |  |  |
|  | MBCR discharges single battery or multiple batteries to any percent SoC chosen by operator. |  |  |  |  |
|  | MBCR reconditions batteries. | Can be either automatic or with manual intervention. |  |  |  |
|  | MBCR calculates battery capacity based on charge cycle or discharge cycle. | Must not read battery BMS during this calculation. |  |  |  |
|  | MBCR shows faulty batteries. |  |  |  |  |
|  | MBCR will stop charging if battery temperature is too high. |  |  |  |  |
|  | MBCR operates from 0°C to 45°C |  |  |  |  |
|  | MBCR with adapter charges/discharges battery type BB-2590. |  |  |  |  |
|  | MBCR holds minimum 20 EA battery type for BB-2590. |  |  |  |  |
|  | MBCR with adapter charges/discharges battery type BB-2525 (CWB). |  |  |  |  |
|  | MBCR holds minimum 40 EA battery type for BB-2525. |  |  |  |  |
|  | MBCR with adapter charges/discharges battery type for radio AN/PRC-152. |  |  |  |  |
|  | MBCR holds minimum 40 EA battery type for AN/PRC-152. |  |  |  |  |
|  | MBCR with adapter charges/discharges battery type for radio RF-7800S-TR (SPR). |  |  |  |  |
|  | MBCR holds minimum 40 EA battery type for RF-7800S-TR (SPR). |  |  |  |  |
|  | The tenderer shall deliver the equipment within 14 weeks of receiving the purchase  Order. |  |  |  |  |