**Section II: Schedule of Requirements**

1. **eSourcing reference: ITB/2022/43603**
2. **Technical specifications for Goods and Comparative Data Table**

**Item Description: Procurement of Blasting Accessories and Disruptor Cartridges for UNMAS Somalia Program**

**Lot\_One (01): Blasting Accessories and Disruptor Cartridges**

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| **Item No** | **UNOPS minimum technical requirements** | **Quantity** | **Is the bid compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| 01 | Detonator Demolition Electric | 4270 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Model/ type: US No. 8 blasting cap (or equivalent) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Instantaneous electric detonators designed to initiate charges of explosives in EOD operations. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| The Electric Detonator shall be capable of initiating cap sensitive explosives including but not limited to RDX, HMX, TNT and PETN based DET Cord. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| The Detonator Electric shall consist of an aluminum metal tube housing a primary explosive charge | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Response time: 2-6 ms. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Maximum resistance: 3.6 ohms. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Firing Impulse ≥ 3,0 mJ/Ω. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Safety current: 0,2 A. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Reliable current: 1A. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Temperature range of application: -5°C/+50°C. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Sleeve Material: Aluminum so as to be corrosion-resistant | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Sleeve Length: 60.9 to 83.8 mm. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Diameter: not less than 7mm. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Shelf life when stored in recommended conditions must be a minimum of 3 years. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Main charge ~~> 0.75g~~ ≥ 0.7g of primary explosive. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Must be Radiofrequency Resistant. |  |  |
| Lead wires: 1- 2m long. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Detonators to be supplied with shunted wires. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Wires: material: copper. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| In polyethylene insulation. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Recommended firing current:  Series wiring: a minimum of 2 amps AC or 1.5 amps DC. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Parallel wiring: a minimum of 1 amp AC or DC per detonator. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Series-in-parallel wiring: a minimum of 2 amps AC or 1.5 DC per series. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| * Packaging:   The material shall be supplied in new, serviceable and clean boxes. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Detonators shall be packaged to allow for a Hazard Classification Code (HCC) of **~~1.4B or~~**  1.4S in storage and transport. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| All markings must meet international standards of marking and identifications including environment and Hazard Classification. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
|  | All packaging markings are to be written in English. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Markings include:  The word ‘EXPLOSIVES’.  The contents of the box (type of ammunition).  UN serial number and proper shipping name.  The HCC.  Lot and Batch number.  NEQ.  The quantity of items in the box.  Manufacturer and year of manufacture to be indicated. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Packaging markings shall be permanent, e.g. embossed, engraved or printed on the inner and outer boxes. Temporary, removable markings are not accepted e.g. stapled labels. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Packaging weight is not to exceed 20kg Gross Weight (GW). | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Detonators must not have been manufactured longer than six (6) months prior to signing any UNOPS purchase order. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Photographs of the packaging and the detonators to be included in the submission. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Must comply with the International Carriage of Dangerous Goods | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Bidders shall comply with the latest version of the International Ammunition Technical Guidelines (IATG), the United Nations Recommendations on the Transport of Dangerous Goods and the International Civil Aviation Organisation's Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284). | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
|  | The manufacturer will ensure that ammunition is provided from 1 LOT, however two separate LOT numbers are preferable. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 02 | **Cartridge 12 Gauge EOD BK 110 Blank:** | ~~910~~ 900 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Blank black powder cartridge designed to initiate a disruptor in EOD operations. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| The cartridge should be a standard primed cartridge consisting of plastic or hard cardboard tube, housing a charge of black powder (gun powder) with a priming cartridge and initiator. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Each Cartridge shall be capable of initiating a Pan Disruptor delivering a water shot in EOD operations. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Temperature range of application: -25°C/+50°C. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| The cartridges minimum shelf life shall be 5 years or more. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **Packaging:**  The material shall be supplied in sound, clean boxes. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| All markings must meet international standards of marking and identifications including environment and Hazard Classification. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| All packaging markings are to be written in English. Markings include:  The contents of the box (type of ammunition).  UN serial number and proper shipping name.  The HCC.  LOT and Batch number.  NEQ.  The weight or quantity of items in the box.  Manufacturer and year of manufacture to be indicated. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Packaging markings must be permanent i.e., embossed, engraved or printed on the inner and outer boxes. Temporary or removable markings such as stapled labels are not permitted. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Packaging weight is not to exceed 20kg. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Cartridges must be produced no longer than ~~six (6) months~~ One(01) Year prior to signing the UNOPS purchase order. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Photographs of the outer packaging, internal packaging fitments and the cartridges are to be included in the submission. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Must comply with the International Carriage of Dangerous Goods. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Bidders shall comply with the latest version of the International Ammunition Technical Guidelines (IATG), the United Nations Recommendations on the Transport of Dangerous Goods, the International Civil Aviation Organisation's Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284). | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
|  | The manufacturer will ensure that ammunition is provided from 1 LOT , however, two separate LOT numbers are preferable. |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| 03 | **M2A1/ M2A2 (or equivalent)** | 100 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **Metal Ammunition Box** hardened plastic ammunition boxes or equivalent | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| • Maximum external dimensions:  Length: 305.6mm  Width: 154.8mm  Height: 190.5mm | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| • Minimum internal dimensions:  Length: 279.4mm  Width: 141.3mm  Height: 171.5mm | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| •Color: Olive Drab/ Brown. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| •Photographs of the box to be included in the submission. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |

**Lot\_Two (02): Cord Detonating**

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| **Item No** | **UNOPS minimum technical requirements** | **Quantity** | **Is the bid compliant?** Bidder to complete | **Details of goods offered.** Bidder to complete |
| 01 | **Cord Detonating** | 7450 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Consists of a core of PETN high explosive contained in polyethylene insulation and wrapped in various layers of cotton/jute yarn, coated with PVC giving it a high tensile strength. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Provided on reels (Between 50m to 250m). | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Explosives grammage: not less than 10 grams/meter of PETN. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Speed of detonation: not less than 6000 m/s. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Waterproof and resistant for 24 hours at 1 meter depth. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Cord diameter: 5,0 +/- 0,5mm. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Mass of core: 10gr/m +/- 1gr/m or  Mass of core: 10gr/m + 2 gr/m. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Tensile strength: not less than 50kg. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Maximum Shrinkage: no more than 1.5%. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Temperature range of application: -5°C/+50°C. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| The detonating cord shall be flexible and capable to be wrapped and knotted | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Shelf life when stored in recommended conditions must be a minimum of 3years | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| **Packaging:**  The material shall be supplied in new, serviceable and clean boxes. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Detonating cord shall be packaged to allow for a Hazard Classification Code (HCC) of 1.4D in storage and transport. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| All markings must meet the international standard of marking and identification including environment and Hazard Classification. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| All packaging markings are to be written in English. Markings include:  The word ‘EXPLOSIVES’.  The contents of the box (type of ammunition).  UN serial number and proper shipping name.  The HCC.  Lot and Batch number.  NEQ.  The quantity inside the box.  Manufacturer and year of manufacture to be indicated. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Packaging markings must be permanent i.e., embossed, engraved or printed on the inner and outer boxes. Temporary markings that can be lost or removed are not permitted e.g. Stapled labels. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Packaging weight is not to exceed 25kg. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Manufacture date of the detonating cord has to be within 6 months of signing any UNOPS purchase order. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Photographs the packaging and the detonating cord to be included in the submission. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Tagging of the explosive must be marked in accordance with the requirements of the latest ratification of the Montreal Convention (minimum of 1%). Tagging Agent to be clearly listed in the Product data sheet. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Must comply with the International Carriage of Dangerous Goods | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
| Bidder shall comply with the latest version of the International Ammunition Technical Guidelines (IATG), the United Nations Recommendations on the Transport of Dangerous Goods, the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284). | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |
|  | The manufacturer will ensure that ammunition is provided from 1 LOT, however, two separate LOT numbers are preferable |  | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |

1. **Delivery requirements and Comparative Data Table:**

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| **UNOPS Requirements** | | **IIs quotation compliant?** Bidder to complete | **Details**  **Bidder to complete** |
| **Delivery time** | Delivery shall be made within 18 weeks after Contract signature | ☐ Yes ☐ No | Insert details |
| **Delivery place and Incoterms rules** | CPT (Incoterm 2020), UNSOS Camp. Aden Abdulle International Airport (AAIA) / Mogadishu Seaport Mogadishu Somalia | ☐ Yes ☐ No | Insert details |
| **Consignee details** | United Nations Support Office for Somalia-UNSOS  Attention: UNMAS Somalia  Address: UNSOS/UNSOM Compound – AAIA  Mogadishu, Somalia  Attention: Hussein Ali  Email: husseinali@unops.org  Tell: +252619615325 | ☐ Yes ☐ No | Insert details |
| **UNOPS Right to vary requirements** | At the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed +/- 20 %, without any change in the unit prices or other terms and conditions of the ITB. | ☒ Yes ☐ No | Insert details |