

US ARMY ARDEC
Battlefield Tools and Equipment Division
DESCRIPTION FOR PURCHASE

DEMOLITION EQUIPMENT SET:
EXPLOSIVE INITIATING,
ELECTRICAL and NON-ELECTRICAL

1 SCOPE

1.1 Scope. This DFP describes the necessary components of the Army's Demolition Equipment Set: Explosive Initiating, Electrical and Non-Electrical. The DFP is used to procure assembled sets ready for deployment to the Army's explosive ordnance disposal teams.

2 APPLICABLE DOCUMENTS

2.1 General. The documents listed in this section are specified in sections 3, 4, or 5 of this standard. This section does not include documents cited in other sections of this standard or recommended for additional information or as examples. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements of documents cited in sections 3, 4, or 5 of this standard, whether or not they are listed.

2.2 Government documents. The following government documents are referenced in this description for purchase.

CO/PD-02-02H - Modular Lightweight Load-carrying Equipment

2.3 Non-Government publications. No non-government publications are referenced in this description for purchase.

3 REQUIREMENTS

3.1 Pre-production example. The contractor shall furnish one or more equipment set(s) for product verification and inspection as specified in the contract or delivery order. The set(s) submitted shall be in accordance with the requirements of this Description for Purchase. The approved product sample and the subsequent production items shall be in accordance with the terms of the contract. Approval of the product verification shall not relieve the contractor of the responsibility to furnish equipment in accordance with the requirements of this Description for

Purchase. All subsequent items supplied under this contract shall be identical to the verified first product.

3.1.1 Workmanship. The quality of workmanship imparted to the Demolition Equipment Set and its individual components shall equal or exceed that typically provided to domestically produced commercial products of this type. The products presented for acceptance shall have been manufactured with skill and care; shall be uniform, neat, and clean; and shall be free from irregularities and anomalies that degrade form, fit, function, performance or appearance.

3.2 Design.

3.2.1 Materials. Unless otherwise specified herein, the equipment set and its various items shall be made of any suitable material that will meet the performance requirements set forth in this description. Detailed requirements are given for each item individually in the paragraphs below.

3.2.2 Industrial quality tools. All components supplied with this set shall be industrial quality. For the purposes of this procurement, the term “industrial quality tools” versus household-use tools or general purpose tools are defined as tools commercially marketed and manufactured for constant, rigorous, industrial or professional environment use. The items offered shall have either achieved industrial market acceptance (as defined in paragraph 3.2.3) or have been satisfactorily supplied to the Government under current or recent contracts for the same or similar requirements. Industrial quality tools are used primarily by skilled professionals and technicians in such areas as machine shops, automotive maintenance and repair facilities, aircraft maintenance and repair facilities, industrial automotive assembly plants, fleet maintenance facilities, and airline service facilities. The tools will be used for specialized applications in an environment of virtual constant use, (i.e. around-the-clock 8 hour shifts), with applications requiring high torque, low slippage, and strict tolerances.

3.2.3 Market acceptance. Market acceptance is demonstrated by the component having a higher percentage of sales to industrial/professional customers than to retail or government customers. Advertising or marketing literature that indicates “professional grade” or “industrial quality”, or merely stating that an item is “professional grade” or “industrial quality” is insufficient to establish industrial quality tools since these are terms for which there is no generally accepted definition. A claim that an item is manufactured to an industry consensus standard is also insufficient to establish industrial quality tools. The contracting officer may require offerors to provide evidence of market acceptance in the professional or industrial market. Evidence of acceptance by industrial/professional customers includes sales to fleet operators, distributors, contractors, industrial and professional users, and sales to distributors who retail exclusively to the professional or industrial market.

3.3 Printed materials. All literature and lists shall be placed in an abrasion and water resistant container that is designed for permanent use, long term storage and repeated overseas shipment. All printed materials shall be made weather and water resistant by lamination of protective coating materials or by having been printed on materials that are inherently resistant to degradation from weather and water effects. All copies of Commercial Off-the-shelf (COTS)

literature, manuals, instruction sheets, parts lists, inventory lists and warranty information shall be provided in duplicate.

3.3.1 Identification data plate information. A weather resistant placard/laminated sheet shall included with the kit. The placard shall minimally contain:

Nomenclature: Demolition Equipment Set: Explosive Initiating, Electrical and Non-Electrical

Part Number: (To be determined)

NSN: (To be determined)

Net Weight: (to be determined after the set is assembled and weighed)

Cube: (to be determined after the set is assembled and measured)

Contract Number: (to be assigned at award)

Cage Code: (of the company that has the contract)

Date Manufactured: (use the month and year of the assembly of the equipment set)

3.3.2 Warranty information. Warranty literature shall be provided for each item supplied. Warranty information shall be protected to resist damage from moisture and shall be bundled with the printed materials as stated in paragraph 3.3. The warranty literature shall identify the details of the warranty provided for each component of the equipment set delivered under this contract.

3.3.3 Warranty placard. Each set shall be provided with two weather resistant placards or laminated sheets displaying the following information:



**Contact PM-SKOT for all Tool
Replacement and Warranty Issues**

1-877-4-PM-SKOT (1-877-476-7568)
DSN: 273-3667 / CM: 586-239-3667
E-MAIL:
USARMY.DETROIT.PEO-CS-CSS.MAIL.PM-SKOT@MAIL.MIL

3.4 Warranty. Each component in paragraph 3.6 shall be provided, as a minimum, with the warranty as specified in that paragraph. The warranties shall be at least as good as is offered by the majority of other manufacturers of similar industrial quality parts. All warranty literature shall be water resistant and designed to resist damage from moisture and be bundled with the literature in paragraph 3.2.4. The warranty literature shall identify the warranty provided for each component.

a. Each equipment set shall be provided with two copies of a warranty list on weather resistant laminated sheet(s). The list shall identify the warranty provided for each component and shall include the nomenclature, manufacturer's part number and NSN when known.

b. The warranty information shall include the following:

b.1 Date of manufacture (month and year)

b.2 Name and address of contractor and any other means of contacting the contractor, such as data fax number, website URL or e-mail address.

b.3 Preferred claim method – via Internet site at <https://tools.army.mil>

3.5 The tool load. Requirements for each individual item are given below 3.5. Required quantities are given in Table 1. Two of the components listed below are considered "Brand Name or Equal." Offerors may offer the brand name components or equivalent components from other manufacturers determined to be equal to the specified product. Equal components shall meet the salient characteristics of the brand name to be acceptable for award. The citation of trade or manufacturers' names does not constitute an endorsement by the Government.

3.5.1 Box, blasting cap. 10 cap capacity. A plastic box shall be provided for the storage of 10 blasting caps. The box shall be constructed of a plastic molding and extrusion material. The maximum overall dimensions for the box are 2.7 inches high, 1.5 inches wide and 2.25 inches long. The box shall contain 10 holes designed to hold one blasting cap each. The holes are to be not larger than 0.3 inches in diameter, and not less than 2.2 inches deep and shall hold M7 non-electric blasting caps snugly. The cover for the box shall have a molded living hinge on the back, and a snap to close latch on the front that is designed to remain closed, once latched, and require a positive effort to unlatch and open the box. The cover of the box shall have the words "10 Blasting Caps" permanently molded or embossed on it in letters that are not less than 24 point type face and centered on the lid. The lid of the box shall be readily opened by users wearing cold weather gloves and also leather gloves.

3.5.2 Crimper, blasting cap. The blasting cap crimper shall be a thin pliers type hand operated mechanical device for crimping the metallic shell of a fuse detonator or igniter cord connector securely to a section of inserted safety fuse or a standard base. It shall also include cutter jaws for cutting detonator cord and time fuse. The material for the crimper shall be non-sparking metal treated to a Rockwell C 48-53 in the crimp and cutting area. Alternate materials such as high strength aircraft type aluminum with a hard anodized finish are acceptable providing they have strength and hardness characteristics similar to the carbon steel. One handle/leg of the crimper shall contain a punch to create wells in demolition material that accept easy insertion of a blasting cap. The other handle/leg shall have a flat bladed ¼ inch or 3/8 inch screwdriver bit formed on the end. The crimper shall feature a dual use jaw that includes a cap crimper and a fuse cutter. The crimper shall be useable while wearing cold weather work gloves and leather work gloves.

3.5.3 Tape, Measuring. The measuring tape shall be no less than 100 ft long and have a ½ inch wide or wider blade graduated in feet and inches on one side, with the smallest graduation not larger than 1/8 inch, and also graduated in feet and 10ths on the other side. The tape shall be an open reel type and shall have a rewind handle to retract the tape back into the reel. The graduations shall read left to right. The tape shall be made of a corrosion and mildew resistant fabric material such as coated fiberglass.

3.5.4 Tape, Measuring. The tape shall be nominally 3/8 inches wide and 50 feet/15 meters long. The tape shall be graduated in feet, inches and 1/8 inches and meters and centimeters.

3.5.5 Multi-tool, folding. The multi-tool shall be constructed of stainless steel with a non-reflective black oxide coating. The multi-tool shall include no less than the following attachments: C-4 explosive punch, blasting cap crimper, fuse cutter, wire cutter, needle nose pliers, straight edge blade, saw, cross tip screwdriver, medium and small flat blade screwdrivers, ruler, can opener, lanyard ring and wire stripper. A sheath for storing the tool and attaching to a belt shall be provided. The overall length shall be less than 7 inches extended, less than 5.5 inches closed, and weigh less than 10 oz. All components shall lock in place when extended and retracted.

3.5.6 Assault Pack. The MOLLE large assault pack shall be made in accordance with Purchase Description CO/PD-02-02H, Class 2, and shall be BAE Systems, (Cage 3T951) (NSN 8465-01-524-5250) Style Number 4095 or equal. (MOLLE = MODular, Lightweight, Load-carrying Equipment).

3.5.7 Saw Gunner. The MOLLE saw gunner set shall have qty 2 each 100 Round Magazine Pockets and qty 2 each 200 Round Magazine Pockets, shall be made in accordance with Purchase Description CO/PD-02-02H, Class 2, and shall be BAE Systems (CAGE 3T951) (NSN 8465-01-524-7362) Style Number 4200, or equal.

3.5.8 Cutter, Wire Rope, Hand Operated. The cutter shall be a compound lever, center cutter with parrot beak jaws. It shall cut wire, cable and light chain up to 3/16 inch diameter, soft and medium hard metals up to ¼ inch diameter and medium hard chain link. The cutter shall cut materials with a maximum hardness of Brinnel 300/ Rockwell C 31 without sustaining damage to its own cutting jaws. Overall length shall be 9 inches +/- 2 inches. The cutter shall be provided with vinyl grip handles.

3.6 Quantities, qualities and types of warranties.

M – Original Equipment Manufacturer’s warranty

N - No warranty

L - Original Equipment Manufacturer’s Lifetime warranty

Table 1

Para	Item Name	QTY	Warranty
3.5.1	Box, blasting cap, 10 cap capacity:	2 Each	M
3.5.2	Crimper, Blasting Cap:	2 Each	M
3.5.3	Tape Measure:	2 Each	M
3.5.4	Tape Measure:	2 Each	M
3.5.5	Multi-Tool, Folding	4 Each	M
3.5.6	Assault Pack	2 Each	M
3.5.7	Gunner SAW Set	2 Each	M
3.5.8	Wire Cutter	4 Each	M

3.7 Changes. Throughout the life of this contract, any change to materials, processes, or configuration initiated by the contractor shall receive prior approval by the Government before putting into effect.

4 VERIFICATIONS

4.1 Quality assurance. Product verification shall be performed in accordance with the following requirements.

4.2 Responsibility for verifications. Unless otherwise specified in the contract, the contractor is responsible for the performance of all verification requirements as specified herein. Except as otherwise specified in the contract, the contractor may use his own or any other facilities suitable for the performance of the verification requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the verifications set forth in this document where such verifications are deemed necessary to assure supplies and services conform to prescribed requirements.

4.3 Responsibility for compliance. All delivered items must meet all requirements of this contract. The absence of any verification requirements shall not relieve the contractor of the responsibility of assuring that all products submitted to the government for acceptance comply with all requirements of the contract. In the event a Demolition Equipment Set is delivered with missing or broken items or is otherwise defective, the contractor shall provide replacement items (for those missing or broken) or a complete replacement set at no cost to the Government.

4.4 Product examination. Visually, dimensionally, and manually examine one sample set per lot to determine conformance with the requirements. Visual examination shall include verification of completeness of manufacture and assembly, proper cleaning, and freedom from the identified defects. Dimensional examination includes measuring dimensions as specified and weighing the unit. Manual examinations shall include the operation of movable parts by hand to assure proper functioning. Failure of any sample unit to pass any examination shall result in the inspection of each unit of that lot for the failure. Units which fail any examination shall not be offered to the government for acceptance. The items shall be inspected before and after

packaging to determine compliance with the preservation, packaging, packing and marking requirements of the contract.

4.5 Changes to materials, processes, or configuration. The contracting officer shall be informed of any changes to the materials, processes, configuration or other characteristic of the units. The contracting officer shall determine if the reported changes shall require the verifications of paragraph 4.4 to be repeated.

4.6 Conformance of subsequent production quantity. All products offered for acceptance throughout the life of the contract shall conform to all of the requirements of the contract. The Government reserves the right to re-verify conformance with requirements, at its own facility and at its own expense, at any time during the life of the contract and return to the contractor for warranty replacement such product that does not conform to the specified requirements. (see 3.1)

5 PRESERVATION, PACKING AND PACKAGING

5.1 Packaging. Preservation, packing and packaging requirements will be in accordance with information provided in Part 1, Section D of the contract.