



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
PROJECT MANAGER CLOTHING AND INDIVIDUAL EQUIPMENT
10170 BEACH ROAD
FORT BELVOIR, VA 22060-5800

SFAE-CSS-FP-F

MEMORANDUM FOR US Army Evaluation Command, ATTN: CSTE-ECS (SFC William LeonGuerrero), 4501 Ford Avenue, Alexandria, VA 22302-1458.

PURCHASE DESCRIPTION

For

ENHANCED FUEL BAR

03 March, 2004

Amended August 6, 2004

PURCHASE DESCRIPTION

FUEL, GEL, DIETHYLENE GLYCOL, BEVERAGE HEATING

1. SCOPE AND CLASSIFICATION

1.1 Scope. This purchase description covers fuel gel heaters used for heating beverages.

1.2 Intended Use. The fuel gel is intended for use by individual soldiers to heat water and beverages in a field environment. The individual warfighter uses the fuel gel during dismounted missions spanning all areas of the world, all terrains and climates, low and medium density conflicts, and low to high technology conflicts.

1.3 Classification. The fuel gel heaters shall conform to the following types as specified (see 6.2 and 3.3).

Type I – Single use, 1.25 ounces of fuel.

Type II – Multi-use, recloseable pouch containing 6 ounces of fuel.

2. APPLICABLE DOCUMENTS. The following documents form a part of the description to the extent specified herein.

2.1 GENERAL. The documents listed in this section are specified in sections 3 and 4 of this purchase description. This section does not include documents cited in other sections of this purchase description or those 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 requirement documents, verifications and certifications cited in sections 3 and 4 of this purchase description.

2.2 GOVERNMENT DOCUMENTS.

2.2.1 SPECIFICATIONS AND STANDARDS. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto.

Section SF 1449 - CONTINUATION SHEET

ADDENDUM**ADDENDUM TO FAR 52.212-4 (Contract Terms and Conditions)**

Contractor's proposal dated July 6, 2004 and final revised cost proposal dated August 10, 2004 are hereby incorporated into this contract.

STATEMENT OF WORK

Enhanced Fuel Bar

1. BACKGROUND:

Trioxane tablets have been used by all members of the Military Services to heat water and beverages in a canteen cup while in a field environment. The individual warfighter uses the fuel gel during dismounted missions spanning all areas of the world, all terrains and climates, low and medium density conflicts, and low to high technology conflicts. A replacement, non-hazardous fuel is desired to replace Trioxane.

2. GENERAL SCOPE:

The Enhanced Fuel Bar (EFB) is a gelled fuel developed as a non-hazardous replacement to the Trioxane tablets currently used by individual members of all Military Services.

3. GENERAL REQUIREMENTS:

3.1. First Article Testing CLINs 0001 and 0002. The contractor shall develop, produce and deliver 1620 units of EFB's Type I, single-use pouch containing 1.25 ounces of fuel, 5" x 3" x 0.33", and 280 units of EFB's Type II, multi use, recloseable pouch, containing 6 ounces of fuel 6-1/8" x 6" x 1", in accordance with paragraphs 4.2 and 6.3 of the Purchase Description (attached) and CDRL A001 and A002 (attached).

3.2. Production Quantity, CLINs 0003 and 0004. EFB Type I for a quantity of 1,500,000 and Type II for a quantity of 500,000, as further described in the attachments.

4. PACKAGING:

4.1 Item Identification. Each Type I and Type II size fuel gel packet shall be marked with identification markings in accordance with MIL-STD-130 and Section 3.5.1 of the Purchase Description dated August 6, 2004, (attached).

4.2 Military Packaging. For all items entering the military distribution system as defined in MIL-STD-2073-1, the EFB shall be packaged in accordance with the attached Special Packaging Instructions (SPIs). Unit packs, shipping containers and unitized loads (when applicable) shall be marked in accordance with MIL-STD-129. Refer to MIL-HDBK-774 for unitization guidance.

4.3 Packaging Acceptance. The contractor shall conduct packaging First Article Tests (FAT) on a minimum of five (5) shipping containers of each Type of the EFB, in the shipping container configuration, for military packaged items, in accordance with MIL-STD-2073-1. A FAT report shall be submitted in accordance with CDRL A002. The Government shall be notified of FAT tests 15 days prior to test.

A Government representative shall be notified of FAT tests 15 days prior to test. A Government representative may witness the tests.

4.4 Commercial Packaging. All items not entering the military distribution system, such as shipments to test sites or between contractor and sub-contractor, shall be packaged in accordance with ASTM D3951. All shipments shall arrive at their final destination undamaged and in useable and operable condition. Marking for commercial packaging shall be in accordance with MIL-STD-129.

4.5 Wood Packaging and Materials. The contractor shall use wood packaging comprised in whole or in part of non-manufactured wood of conifers, (except that of the Thuja), originating in Canada, China, Japan and the United States. Use similar packaging including pallets, boxes, crates, load boards and pallet collars, whether or not actually in use in the transport of objects of all kinds, that has been heat treated or kiln dried to a minimum core temperature of 56 degrees Centigrade or at least 30 minutes in a closed chamber or kiln. The chamber or kiln shall have been tested, evaluated and approved officially by the American Lumber Standard Committee (ALSC) for this purpose. Display on the wood an official ALSC approved heat-treated or kiln dried marking enabling the identification of where and by whom the above treatment has been completed. Use the box and pallet manufacturer and the manufacturer of wood used as inner packaging that is authorized as an inspection agency accredited by the Board of Review of the American Lumber Standard Committee, P.O. Box 210, Germantown, MD 20875 (Phone 301-972-1700). Place the quality mark on both ends of the outer packaging, between the cleats or end battens, on two sides of the pallet.

4.6 Transportability. The EFB shall be transportable for all modes of transportation for worldwide shipment. The EFB shall be deployable on standard pallet systems including 463L, and shall be transportable by all commercial and military transportation media, including the Landing Craft Air Cushion (LCAC) without restriction.

5. ACCEPTANCE:

5.1 First Article Tests (FAT). EFB's Type I, quantity of 1620, and EFB's Type II, quantity of 280. The testing will follow the procedures outlined in the Government approved First Article Test Plan as required in CDRL A001.

6. DELIVERY:

6.1 52.211-8 Time of Delivery (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

(b) The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period. Offers that propose delivery that will not clearly fall within the applicable required delivery period, will be considered nonresponsive and rejected. The Government reserves the right to award either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required above. If the offeror proposes no other delivery schedule, the required delivery schedule will apply.

REQUIRED DELIVERY SCHEDULE

CLIN 0001	EFB, Type I, First Article Testing (FAT), Quantity 1620	100 days after award of contract
CLIN 0002	EFB, Type II, First Article Testing (FAT), Quantity 280	100 days after award of contract
CLIN 0003	EFB, Type I, Production Quantity, Maximum Quantity 1,686,609	60 days after approval of FAT
CLIN 0004	EFB, Type II, Production Quantity, Maximum Quantity 562,203	60 days after approval of FAT