

TACOM-RI is seeking interested sources for a potential requirement of approximately 212 to 450 each of the following components of the M119A2 Howitzer fire control. For planning purposes for any resulting requirement, the Government would desire delivery of a quantity of three of each component Apr 06 with production quantity deliveries to commence Nov 06 at a rate of eight each per month.

M90A3 Telescope

The M90A3 Telescope is a lightweight, hermetically sealed, 3-power, fixed-focus optical instrument equipped with a ballistic-type reticle. The telescope can be quickly inserted and removed from the M186 Telescope Mount, which is mounted on the left side of the M119A2 Howitzer. A lighting kit provides reticle illumination for night operation. The device is approximately one pound in weight, approximately 2 $\frac{3}{4}$ inches in diameter, 6 $\frac{1}{4}$ inches in length, 3-power with a 10-degree field of view. It is comprised of a main casting with assembled machine parts. Several lenses, windows, a reticle and two porro-prisms are used in the optical train.

M137A2 Panoramic Telescope

The M137A2 Panoramic Telescope is the basic instrument used in laying the M119A2 howitzer in azimuth. The instrument is a 4-power, fixed-focus telescope with a 10-degree field of view. It is mounted on the left side of the howitzer using the M187A1 Telescope Mount. The device weighs approximately 16- $\frac{5}{8}$ pounds, is approximately 16 $\frac{3}{4}$ inches high, 8 $\frac{1}{2}$ inches wide and 10 inches long. Construction consists primarily of several cast housings with precision machined gears, splines, worm, worm wheel, counters and clutches. Additionally, lenses, prisms, windows and a reticle are included in the optical train. The reticle and counters are illuminated for night operation. Assembly requires expertise in fitting of parts, selective part selection and use of matched parts sets.

M140A1 Alignment Device

The Alignment Device M140A1 provides on-carriage, mounted, close-in optical reference to provide boresight retention information regarding the M137A2 Pantel. This device provides an illuminated target reticle at infinity and is mounted by means of a dovetail and clamp. The device weighs approximately 1 $\frac{1}{4}$ pounds, is approximately 11 $\frac{1}{2}$ inches high, 4 inches wide and 4 inches long. Construction is from machined metal parts. Optical elements include windows, lenses and a reticle.

M186 Mount Telescope

The M186 Mount Telescope provides mounting for the M90A3 Telescope to the left side of the M119A2 Howitzer. It consists of a housing, 2 worms, 2 worm wheels and a dovetail with lock. The device weighs approximately 2 pounds and is approximately 4 inches long, 5 inches wide and 2 $\frac{1}{2}$ inches high.

M187A1 Mount Telescope

The Telescope, Mount M187A1 adapts the M137A2 Pantel to the M119A2 Howitzer. The mount provides adjustments in elevation and cant (cross-level) for indirect fire for the weapon. The mount consists of two subassemblies, one mounted on top of the other and secured by four screws. It, also, provides elevation readout by means of the digital counter and flats for using the M1A1 Gunner's Quadrant. It weighs approximately 38 pounds and is nominally 13 inches high, 9 ¾ inches wide and 14 1/8 inches long. Elevation travel is -89 to 1333 mils. Cross-level is +/- 20 degrees. Counters and level vials are illuminated for night operation. The device consists of several castings, worms, worm wheels, 2 digital counters and machined parts.

Manufacture of these items will require the ability to perform precision machining, and assembly of instruments whereby all parts are manufactured to tolerance and additional skill and experience is required to assemble a compliant instrument. Access to precision castings (either in-house or subcontracted items), ability to define, produce and acquire gages and fixturing is required to assemble, test and accept product. Familiarity with characteristics and assembly of gears is essential. Ability to acquire and assemble optical components, some of a complex nature, is necessary to assure compliance with end item requirements. This will require translation of performance requirements of the instrument to tolerance definition of machined parts and fixtures/gages.

A bidder's conference will be conducted 14 Oct 2004 at US Army TACOM, Rock Island, IL, for interested sources to ask questions, view the respective components, and clarify understanding of the technical/manufacturing requirements of the items. A link has been established at <http://tri.army.mil/LC/Cf/Cft/Cftl/m119/index.html> for purposes of viewing current component drawings. **THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY AND ARE NOT TO BE INTERPRETED IN ANY WAY AS A MANUFACTURING STANDARD AS DRAWING REVISIONS ARE IN PROCESS.**

Sources interested in attending the 14 Oct 2004 conference will submit attendee names, company represented, and country of citizenship by 7 Oct 2004 to permit coordination of security clearance and visitors' passes. Each company is limited to no more than four attendees. As the conference is aimed at fostering an understanding of the technical/production requirements of the items, it is recommended firms determine attendees accordingly. In addition to the information required for obtaining clearance for the conference, interested sources shall provide a brief synopsis of their company's technical and production expertise/qualifications and experience producing similar equipment. Interested sources should indicate whether they are a large business or small business—if small business, please indicate if your firm is 8(a) certified, HUBZone certified, and/or a service-disabled, veteran-owned small business. **Those individuals not having submitted the required information by the specified date, allowing appropriate clearance to be accomplished, will not be permitted attendance at the conference.** The required information shall be forwarded to Linda Maes, datafax (309) 782-2301 or email: maesl@ria.army.mil no later than 7 Oct 2004.

If technical questions are identified in advance of the conference, early submission, in writing, to the point of contact stated below is encouraged in order that responses can be properly investigated and available during the conference. Point of contact for questions is Linda Maes at the stated email address or at telephone (309) 782-3657. This announcement is a Request for Information/Sources Sought; it is for information and planning purposes only and shall NOT be construed as a Request for Proposal, announcement of a solicitation or other obligation on the part of TACOM-RI. All information is to be furnished at no cost or obligation to the Government.