



UNITED STATES MARINE CORPS
MARINE CORPS SYSTEMS COMMAND
2200 LESTER STREET
QUANTICO, VIRGINIA 22134-6050

IN REPLY REFER TO

J&A Number: 13,610.0
Code: CTQ029
Date: 22 Apr 2010

**JUSTIFICATION AND APPROVAL
TO PROCURE USING OTHER THAN FULL AND OPEN COMPETITION**

Upon the basis of the following justification, I hereby approve, as Contracting Officer for the Procuring Activity, hereby approve the contractual action described herein using other than full and open competition, pursuant to the authority of 10 U.S.C. 2304(c)(1).

1. REQUIRING ACTIVITY

MARINE CORPS WARFIGHTING LABORATORY
3255 Meyer Avenue
Quantico, VA 22134-5096

CONTRACTING ACTIVITY

MARINE CORPS SYSTEMS COMMAND
2200 Lester Street
Quantico, VA 22134-6050

2. NATURE OF REQUEST

Request approval to negotiate and award a contract to TechShot, Incorporated of Greenville, IN to support the Extended User Evaluation (EUE) that will support the Commandant's initiative to make the Marine Corps a more effective and efficient expeditionary force.

3. DESCRIPTION

The proposed contract will provide for thirty-four (34) HP Shelter Lighting System 305 Kits. The Shelter Lighting System (SLS) is an LED-based SLS designed specifically for soft-walled shelters. This efficient SLS is physically and electrically robust operating up to 100,000 hours in the field producing an output equal to or greater than the current fluorescent system and is 30% more efficient than the current system. The TechShot SLS is comprised of two major components: Light Strands and a Master Control Box. The light strands can be plugged directly into an 110VAC 50/60Hz source; the master control box allows the user to connect up to 16 light strands (64 pods) with a single switch. The SLS is equipped with two-colored LEDs. The "normal" setting produces white light. The "blackout" settings produce an alternate color. The TechShot Shelter Lighting System can be set up in numerous configurations. The design of the system allows for the use of standard NEMA 5-15 plugs, COTS extension cords and power strips

may be used where appropriate. These COTS cords and power strips should be capable of 15 AMPS and UL/CE approved.

4. STATUTORY AUTHORITY

This request of Justification and Approval of Other Than Full and Open Competition is based upon 10 USC (c)(1) as implemented by FAR 6.302-1, "Only one responsible source and no other will satisfy agency requirements."

5. RATIONALE SUPPORTING USE OF AUTHORITY CITED ABOVE

Due to the disbursed operating environment in Afghanistan the Marines have had to establish an increased number of forward operating bases at the company and below level. This increase of bases has placed a heavy burden on manpower and support equipment. Marines are forced to conduct long and dangerous resupply convoys in order to support these numerous forward operating bases.

6. SYNOPSIS OR OTHER EFFORTS FOR SOURCES

The synopsis was published is NECO on 9 April 2010 with a closing date of 16 April 2010. No other responses were received.

7. CONTRACTING OFFICER'S DETERMINATION OF FAIR AND REASONABLE COSTS

The Contracting Officer will ensure that costs associated with this effort will be fair and reasonable.

8. DESCRIPTION OF MARKET SURVEY

A Request For Information (RFI) through the Office of Naval Research (ONR) was published in FEDBIZOPS on 16 December 2009, with responses due on 15 January 2010. The RFT was looking for a system capable of reducing energy consumption in tents at FOBs. Four (4) responses were received. A group of Subject Matter Experts (SMEs) from MCWL, ONR, and the Marine Corps Systems Command reviewed and evaluated RFI responses. The potential vendors that met the Marine Corps requirements were invited to demonstrate their equipment at an Experimental Forward Operating Base (ExFOB), March 8-17, 2010, developed at the Marine Corps Base Quantico. The product demonstrations were evaluated by the SMEs. In addition, vendors were invited to give product presentations at the USMC Expeditionary Power & Energy Symposium in January 25-27, 2010. Vendors that met the RFI requirements were also invited to demonstrate at the ExFOB. In addition, discussions were held with the U.S. Army Natick Soldier Research, Development & Engineering Center and internet research was conducted to explore vendor capabilities.

9 OTHER FACTORS

The Improvised Explosive Device (IED) danger present in Afghanistan continues to be severe and poses a difficult force protection challenge.

10. LIST OF SOURCES EXPRESSING INTEREST

See paragraph 6 above.

11. ACTIONS TAKEN TO REMOVE BARRIERS TO FULL AND OPEN COMPETITION

None

12. DELIVERY REQUIREMENT

Delivery of these items is required as soon as possible to meet the EUE requirements.

13. TOTAL ESTIMATED DOLLAR VALUE OF THE ACQUISITION COVERED BY THIS J&A

The estimated dollar value for this acquisition is \$147,084.00

14. REFERENCE TO THE APPROVED ACQUISITION PLAN (AP)

No formal acquisition plan was required or prepared as the total estimated cost of this acquisition is below the amounts referred to in NAPS 5207.103(c)(i) and specified in DFAR 207.103.