

**HIGH POWER MICROWAVE EFFECTS AND LETHALITY PROGRAM  
PLANNING, DEVELOPMENT, TESTING AND REPORTING SUPPORT****19 JUL 11****TYPE ACTION:**      X   Competitive           Non-Competitive**DESCRIPTION OF EFFORT:** See attached Performance Work Statement (PWS)**TASK ORDER CONTRACT TYPE:**           FFP           CPFF (Completion)      X   CPFF (Level-of-Effort)**PLACE OF PERFORMANCE:** Contractor's facility, Huntsville, AL, and Government facilities, Redstone Arsenal, AL. Short-term, intermittent performance at other Government test locations may be required on a temporary duty (TDY) basis.**PERIOD OF PERFORMANCE:** Base Effort:        19 Dec 2011– 18 Dec 2012  
Option Period 1: 19 Dec 2012 – 18 Dec 2013  
Option Period 2: 19 Dec 2013 – 18 Dec 2014**TOTAL ESTIMATED LOE (DPPH):** The Government estimates that this task order will require the level of effort specified below. Please note that this estimation is for INFORMATIONAL PURPOSES ONLY and is provided as a point of reference to allow offerors a better understanding of the general scope of this effort from the Government's perspective. This is not to be construed as either mandatory or necessarily the best technical approach. It is the offeror's responsibility to ensure the actual LOE proposed is appropriate to accomplish the PWS requirements and is consistent with offered technical approach.

22,200	(Base Effort)
22,200	(Option Period 1)
<u>22,200</u>	(Option Period 2)
<b>66,600</b>	<b>(TOTAL DPPH)</b>

**LOE FUNCTIONAL AREA ALLOCATION:** The Government estimates that the LOE expended in accomplishing the performance requirements of the PWS (paragraph 2.0) will be allocated as set forth below. Please note that this estimation is for INFORMATIONAL PURPOSES ONLY and is provided to facilitate proposal preparation. Actual allocation of work may vary during task order performance.

Subparagraph 2.1:	<u>  30  </u> %
Subparagraph 2.2:	<u>  35  </u> %
Subparagraph 2.3:	<u>  10  </u> %
Subparagraph 2.4:	<u>   5  </u> %
Subparagraph 2.5:	<u>  15  </u> %
Subparagraph 2.6:	<u>   5  </u> %

“Distribution A, Approved for Public Release: Distribution Unlimited.”

**ESTIMATED TRAVEL**

OCONUS travel \_\_\_\_\_ IS  IS NOT anticipated in performance of this task order.

Travel may be required in performance of this task order. The contractor has no authority to incur travel costs without explicit written approval (email acceptable) of the Contracting Officer’s Representative (COR). Under no circumstance shall the contractor incur travel costs in excess of the NTE amount stated herein.

NTE:   \$   50,000.00   (Base Effort)  
           \$   50,000.00   (Option Period 1)  
           \$   50,000.00   (Option Period 2)  
           \$   **150,000.00**   **(TOTAL Travel Cost)**

Since number of trips, destinations, and duration of trips is unknown at this time, incorporate the above amounts in your proposal for each FY.

\_\_\_\_\_ Contractor travel will not be required under this task order.

**ESTIMATED OTHER DIRECT COSTS (ODC)**

The contractor has no authority to incur material costs without the explicit prior written approval of the contracting officer. Prior to forwarding requests to the contracting officer, the contractor shall obtain the COR’s concurrence. Electronic Mail (email) shall be utilized for both steps in this process. Under no circumstance shall the contractor incur materials costs in excess of the NTE amount stated herein.

NTE:   \$   10,000.00   (Base Effort)  
           \$   10,000.00   (Option Period 1)  
           \$   10,000.00   (Option Period 2)  
           \$   **30,000.00**   **(TOTAL ODC)**

**GOVERNMENT FURNISHED PROPERTY (GFP)**

\_\_\_\_\_ The following Government Furnished Property or Test Facilities are available for use in performance of this Task Order:

On-site performance at Government facilities is anticipated. For all on-site performance (i.e., Government site), the Government will provide access to office space and equipment required to perform the task order (as determined to be necessary and available by the COR). The delineation of estimated on-site and off-site (i.e., contractor site) effort is as follows:

	<u>ON-SITE</u>	<u>OFF-SITE</u>
Base Effort	<u>10</u> %	<u>90</u> %
Option Period	<u>10</u> %	<u>90</u> %
Option Period	<u>10</u> %	<u>90</u> %

\_\_\_\_\_ No Government Furnished Property, Test Facilities, or other on-site facilities are available for use in performance of this Task Order.

### **SECURITY REQUIREMENTS**

\_\_\_\_\_ **APPLICABLE**   X   **NOT APPLICABLE:** Effort completed under this T/O requires access to Sensitive Compartmented Information (SCI) data. The SCI access is allowable in accordance with the DD Form 254, Contract Security Classification Specification, incorporated into the contract under which this T/O is executed.

\_\_\_\_\_ **APPLICABLE**   X   **NOT APPLICABLE:** Performance of this T/O will also require access to Special Access Program (SAP) information. Revision "X" to the DD Form 254, **execution date**, is provided herein and is applicable to this T/O only.

\_\_\_\_\_ **APPLICABLE**   X   **NOT APPLICABLE:** Support outside the United States is required under this effort. The following contract clauses will be applicable to this task order: FAR 52.228-3, Worker's Compensation Insurance (Defense Base Act); FAR 52.228-4, Workers Compensation and War Hazard Insurance Overseas; DFARS 252.228-7000, Reimbursement for War Hazard Losses; DFARS 252.228-7003 – Capture and Detention; DFARS 252.225-7043, Antiterrorism/Force Protection Policy for Defense Contractors Outside the United States; DFARS 252.209-7001, Disclosure of Ownership or Control by the Government of a Terrorist Country; and Section H clauses entitled "Contingency/War Clause" and "Services Furnished by the Government". Prior to the contractor deploying any employee outside the Continental United States (OCONUS) into an area of operations in support of a contingency operations or exercise under this task order, the contractor shall coordinate a Risk Assessment Plan (including a liability estimation) with the SETAC Contracting Officer.

### **PROPOSAL INSTRUCTIONS**

The Sample TORP proposal shall be prepared in accordance with the instructions set forth in Attachment 08 of this solicitation.

Page limitations for this Sample TORP proposal is as follows:

Part 1 (Understanding of Requirements) of the proposal shall not exceed   2   pages , excluding any OCI Mitigation Plans.

Part 2 (Task Order Approach) of the proposal shall not exceed  15  pages, excluding the DPPH matrix.

Part 3 (Task Specific Experience) of the proposal shall not exceed  4  pages for **personnel qualifications** (Section 3A). Corporate experience examples (Section 3B) shall not exceed  1  page for each example provided.

There is no page limitation for Section 4 (Cost) of the proposal. The cost proposal shall be in landscape format with each task period detailed on a separate page. Legal paper size is acceptable for pages containing spreadsheets.

### **EVALUATION CRITERIA**

This sample TORP shall be evaluated in accordance with Section M-4, paragraphs c(1)(a) – (c) and c(4), of the solicitation.

**HIGH POWER MICROWAVE EFFECTS AND LETHALITY PROGRAM  
PLANNING, DEVELOPMENT, TESTING AND REPORTING SUPPORT**

**1.0 MISSION OBJECTIVE:** The U.S. Army is executing several High Power Microwave (HPM) Technology projects as a part of its overall HPM program. The objective of the HPM program is to demonstrate component-level and integrated HPM technology that fits within the mission of the US Army Space and Missile Defense Command/Army Forces Strategic Command (USASMDC/ARSTRAT) and its customers. HPM technology has the potential to provide capabilities to the warfighter to successfully engage threats consistent with Army and other DoD missions (e.g., Counter-IED program). However, there is a need to develop data in using these technologies as HPM weapons/other applications and developing an understanding of their range and lethality to support an assessment of their overall effectiveness. The purpose of this task is to assist the USASMDC/ARSTRAT in defining and refining technical requirements, providing analysis of technical concepts and test data, and providing a thorough analysis of system capability versus existing and proposed capabilities against targets of interest. The performance requirements set forth in paragraph 2.0 below are expected to support the overall analysis needs of the HPM program.

This requirement identifies services that are strictly non-personal in nature. While performance of this effort requires no services that are inherently governmental functions, it may include functions that are closely associated with inherently governmental functions as defined in Section 804 of the FY 2005 National Defense Authorizations Act. Appropriate military or civilian personnel of the Department of Defense cannot reasonably be made available to perform these functions. However, appropriate military or civilian personnel of the Department of Defense will: (1) oversee contractor performance of the contract; and (2) perform all inherently governmental functions associated with the efforts to be performed under this task order.

In performance of this effort, the contractor shall not be required to perform expert experienced-based mentoring, teaching, training, advice, and recommendation to senior military officers, staffs, and students as they participate in war games, warfighting courses, operational planning, operational exercises, and decision-making exercises.

**2.0 PERFORMANCE REQUIREMENTS:** The contractor shall execute the following tasks in support of the U.S. Army HPM development and lethality program. It should be noted that these tasks will provide data that will be used in the assessment of contractor proposals for weapon system development. A high degree of objectivity is therefore required in the execution of these tasks.

2.1 Provide technology requirements definition, program planning, test planning, execution analysis and range coordination. Program planning activities cover both the currently funded HPM efforts and potential follow-on efforts that would continue and/or expand upon the current HPM program. Specific products provided shall include monthly reports, test documents, range requirements and other program documentation, as assigned. Reference basic contract PWS 2.2.2 and 2.2.6.

2.2 Assist as directed in the execution of Vulnerability Assessment for identified targets. Assessment will include target response data for various HPM technology and test configurations. Assessment will include consideration of countermeasures that may be considered. The contractor shall conduct independent evaluations to determine the adequacy, timeliness and cost effectiveness of HPM technology in meeting requirements for system evaluation. The contractor shall assist in formulating test plans for testing at test ranges in Huntsville, AL and other qualified test facilities. Reference basic contract PWS 2.2.4 PWS 2.2.6.

2.3 Conduct physics modeling support as directed by the government in support of threat analysis and vulnerability assessment. Modeling will address physics phenomenology for kill mechanisms or other detrimental effects. Reference basic contract PWS 2.2.7.

2.4 Attend technical conferences and meetings and participate in technical interchange working group meetings as required in support of this task. Reference basic contract PWS 2.2.1.

2.5 Perform system analysis activities as directed for existing and proposed HPM systems and related components. Analysis will support the identification and assessment of potential, mature, and affordable specific technologies to satisfy SMDC, Army and DoD requirements. Reference basic contract PWS 2.2.2.

2.6 Support the HPM program activity by providing to the Government an independent technical assessment of contractor and government-furnished products. This will be accomplished as needed and will be a product of IPT meetings, specific fact finding visits to the contractor, Concept Design Reviews, Preliminary Design Reviews, and other meetings as directed. Reference basic contract PWS 2.2.7.

**3.0 TRAVEL:** Travel may be required in performance of this task order. Specific travel requirements will be identified and funded as such need arises. The contractor has no authority to incur travel costs without explicit written approval (email acceptable) of the Contracting Officer's Representative (COR). Under no circumstance shall the contractor incur travel costs in excess of the funded amount stated in the task order.

**4.0 SECURITY:** Security requirements for this task order shall be in accordance with the requirements of the DD 254 issued with the basic contract.

**5.0 GOVERNMENT FURNISHED PROPERTY (GFP):** On-site performance at Government facilities is anticipated. For all on-site performance (i.e., Government site), the Government will provide access to office space and equipment required to perform the task order (as determined to be necessary and available by the COR).

**6.0 DELIVERABLES:** The following data/reports are required to be delivered to the COR and COTR (if applicable) under this task order. The contractor's proposal will satisfy the requirements for the first submission of the Task Order Management Plan (TOMP). A revised TOMP will be required on as-needed basis in response to changes in required resources and/or ceiling revisions.

CDRL #	CDRL TITLE	# COPIES	DATE OF SUBMISSION
001	Task Order Management Plan	1 */**/**	See Above
002	Progress, Status and Mgt Report	1 */**/**	Per CDRL
003	Tech Rpt - Study/Services	1 */**/**	Per CDRL
004	Final Technical Report	2 */**/**	Per CDRL
007	Presentation Material	1 */**	As Required
008	Conference Minutes	1 */**	Per CDRL

\* Plus Electronic Version.

\*\* One (1) hardcopy to the COR

\*\*\* One electronic copy to the Contracting Officer (email acceptable).

## 7.0 PERFORMANCE OBJECTIVES/METRICS:

7.1 This performance-based service contract incorporates the performance objectives set forth at Appendix A. It is the contractor's responsibility to employ the necessary resources to ensure accomplishment of these objectives. The Government's assessment of the contractor's performance in achieving these objectives will utilize the standards, acceptable quality levels, surveillance methods, and performance incentives described in the Performance Requirements Summary matrix. The performance incentives will be implemented via the Government's past performance assessment conducted in accordance with Part 42 of the Federal Acquisition Regulation (FAR), as applicable.

7.2. The performance objectives, standards, and acceptable quality levels shall be applied on a TO basis with performance incentives to be implemented on an annual basis. The Government will conduct informal interim counseling sessions with the contractor's Program/TO Manager to identify any active TO performance that is not meeting the acceptable quality levels. These sessions will be conducted at least on a quarterly basis in order to provide the contractor a fair opportunity to improve its performance level.

7.3 The contractor will be notified, in writing, of the Government's determination of its performance level for each performance objective including all instances where the contractor failed to meet the acceptable quality level.

**APPENDIX A**

**PERFORMANCE REQUIREMENTS SUMMARY MATRIX**

PERFORMANCE OBJECTIVE	PERFORMANCE STANDARD	ACCEPTABLE QUALITY LEVEL	METHOD OF SURVEILLANCE	PERFORMANCE INCENTIVE
<p>High Quality Technical Performance</p>	<p>Contract requirements met with little rework/ re-performance required and with few minor and no significant problems encountered <i>Performance meets all technical and functional requirements, and is highly responsive to changes in technical direction and/or the technical support environment</i> <i>Assessments, evaluations, analyses, recommendations, and related input are thorough, reliable, highly relevant to requirements and consist of substantial depth and breadth of subject matter.</i></p>	<p>Contractor delivery of products and/or services meets all contract requirements. Performance occurs with no required re-performance/ rework at least 80% of time. Problems that are encountered are minor and resolved in a timely and satisfactory manner.</p>	<p>100% Inspection of Deliverable Data and Reports. Combination of Periodic, Random, sample, and un-scheduled inspection of rendered services as well as customer feedback.</p>	<p>Assignment of performance rating for performance.</p> <p><b>EXCEPTIONAL:</b> Performance and deliverables meet all and exceed many requirements. Performance delivered with no required re-performance/rework at least 95% of time; problems that are encountered are minor and resolved in a highly effective manner.</p> <p><b>VERY GOOD:</b> Performance and deliverables meet all and exceed some requirements. Performance delivered with no required re-performance/ rework at least 90% of time; problems that are encountered are minor and resolved in an effective manner.</p> <p><b>SATISFACTORY:</b> Performance and deliverables meet all requirements. Performance delivered with no re-performance/rework at least 80% of time; problems that are encountered are minor and resolved in a satisfactory manner.</p> <p><b>MARGINAL:</b> Some requirements not met and/or performance delivered with re-performance/rework required more than 20% of time. Problems encountered were resolved in a less than satisfactory manner.</p> <p><b>UNSATISFACTORY:</b> Many requirements not met. Numerous re-performances/ rework required. Substantial problems were encountered and inadequate corrective actions employed.</p>

<p>Adherence to Schedule</p>	<p>Milestones, periods of performance, and/or deliverable submission dates are met or exceeded.</p>	<p>Contractor meets delivery requirements at least 80% of the time (excluding Gov't caused delays).</p>	<p>100% Inspection of Deliverable Data and Reports. Combination of Periodic, Random, sample, and un-scheduled inspection of rendered services as well as customer feedback.</p>	<p>Assignment of performance rating for SCHEDULE criteria:</p> <p><b>EXCEPTIONAL:</b> Milestones/performance dates met or exceeded 100% of time (excluding Government caused delays).</p> <p><b>VERY GOOD:</b> Milestones/performance dates met or exceeded at least 90% of time (excluding Government caused delays).</p> <p><b>SATISFACTORY:</b> Milestones/performance dates met or exceeded at least 80% of time (excluding Government caused delays).</p> <p><b>MARGINAL:</b> Milestones/performance dates met less than 80% of time (excluding Government caused delays).</p> <p><b>UNSATISFACTORY:</b> Schedule/performance dates met less than 70% of time (excluding Government caused delays).</p>
<p>Management of Key Personnel.</p>	<p>Provide a qualified and stable Key Personnel workforce.</p>	<p>Retention of qualified key personnel is maintained at a minimum of 80%.</p>	<p>Combination of Periodic, Random, sample, and un-scheduled inspection of rendered services as well as customer feedback.</p>	<p>Assignment of performance rating for KEY PERSONNEL criteria:</p> <p><b>EXCEPTIONAL:</b> Retention rate of Key personnel maintained at 95% or better.</p> <p><b>VERY GOOD:</b> Retention rate of key personnel maintained at 90% or better.</p> <p><b>SATISFACTORY:</b> Retention rate of Key personnel maintained at 80% or better.</p> <p><b>MARGINAL:</b> Retention rate of Key personnel maintained at 70% or better.</p> <p><b>UNSATISFACTORY:</b> Retention rate of Key personnel is less than 70%.</p>

<p>Cost Control (Applicable to CPFF tasks only).</p>	<p>Effectively forecast and manage labor costs to ensure accomplishment of performance requirements within Task Order cost estimates.</p>	<p>Actual cost of task order performance maintained within 110% of original cost estimate.</p>	<p>100% Inspection of monthly Funds &amp; Manhour Expenditure Reports (FMERs), Status Reports, and payment invoices.</p>	<p>Assignment of performance rating for COST CONTROL criteria:</p> <p>EXCEPTIONAL: Actual cost of task order performance maintained within 100% of original cost estimate.</p> <p>VERY GOOD: Actual cost of task order performance maintained within 105% of original cost estimate.</p> <p>SATISFACTORY: Actual cost of task order performance maintained within 110% of original cost estimate.</p> <p>MARGINAL: Actual cost of task order performance exceeds 110% of original cost estimate.</p> <p>UNSATISFACTORY: Actual cost of task order performance exceeds 120% of original cost estimate.</p>
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