Created by

Naval Facilities Engineering & Expeditionary Warfare Center
Port Hueneme, California

November 4, 2015

STATEMENT OF WORK
For
Environmental Security Technology Services (ESTS) Contract

PART 1.0 INTRODUCTION

The Naval Facilities Engineering & Expeditionary Warfare Center (NAVFAC EXWC) Environmental Department requires a contract to provide environmental support to satisfy overall operational objectives of the U.S. Navy and Marine Corps installations and to other federal organizations. Required services may be performed at any location worldwide, including Navy and Marine Corps facilities in both the continental United States (CONUS) and outside the continental United States (OCONUS). Work will be performed in office settings and in the field.

This contract's purpose is to obtain various engineering and incidental services for:

- Environmental program development and implementation.
- Research, development, testing, and evaluation (RDT&E) of innovative environmental technologies, strategies and techniques.
- Implementing innovative environmental technologies, strategies and techniques.
- Technical consultation.

The work will be performed in support of various Navy, Marine Corps, and federal government programs.

The tasks will fall into the following categories:

I. Technology Implementation.
Implement innovative environmental technologies, techniques, and strategies. Incorporate green and sustainable practices into the execution of the specific project(s).

II. Technical Consultation.
Provide technical consultation and support of projects, systems, other contractors, and emerging topics of concern.

III. Research, Development, Testing, and Evaluation (RDT&E).
Research more effective environmental remediation and compliance technologies, techniques, and strategies. RDT&E efforts may address challenging, immediate or long-term environmental issues, as well as emerging contaminants and pathways.

IV. Administrative Support.
Provide the following for an array of environmental documents, technologies, sites, and programs - assessments, analysis, planning, procurement, archiving, and activity-based costing.

V. Range Cleanup, Sustainability, and Management.
Implement and continuously improve range-related operations and programs.

VI. Site Operation and Maintenance (O&M).
Operate sites and innovative systems at sites, including maintenance and monitoring.

VII. Climate Change Initiative.
Provide RDT&E and in-service support services in support of advancing capabilities for addressing effects of climate change (i.e. adaptation) and reducing emissions of greenhouse gases (i.e. mitigation), particularly as it impacts Navy/Marine Corps operations.

VIII. Sustainability
Provide RDT&E and in-service support services in support of advancing sustainability, reliability, resilience, and mission capability(SR2&MC) of facility, utility, and infrastructure systems including

drinking water, storm water, wastewater, industrial processes, hazardous waste, solid waste, air, and energy systems. Provide overall support to energy projects at Navy and Marine Corps Installations.

IX. Natural Resources
Develop and implement strategies for the enhancement of natural resources at Navy and Marine Corps installations. The contractor will have the ability to provide support to the Navy's natural resource programs and initiatives.

X. Training
Provide environmental, and health and safety related training.

In order to perform these tasks, ancillary work such as construction, or preparation of planning documents (Field Workplan, Quality Assurance Plan, Health and Safety Plan) will be required if applicable to the task. Each Task Order can be grouped into a single category even though it has minor amounts of work that could be classified in other areas (e.g., site characterization and data analysis may require reporting, and public outreach).

This procurement will involve travel, fieldwork, and incidental construction tasks related to providing environmental support. For Task Orders involving fieldwork, such work will usually occur at Navy and Marine Corps installations in the United States, both active and closing. Occasionally, those installations may reside on foreign soil.

Various task orders will be awarded under this contract. Each Task Order shall have a performance work statement (PWS) that states the scope of each task and subtask, specifications, directions, and reporting requirements. Occasionally, Statement of Objectives (SOOs) will be used in place of PWSs when the government desires the contractor maximum flexibility in proposing innovative solutions, e.g., for research development testing and evaluation (RDT&E).

PART 2.0 BACKGROUND

Currently, NAVFAC EXWC supports Navy and Marine Corps environmental cleanup contracts. This contract will be a new 1-year cost contract with 4 option years allowing for a capacity of no less than $19.8 million per year, and no less than $99 million during the five-year period. This contract will be sufficient to handle Navy and Marine Corps' environmental requirements processed through NAVFAC EXWC.

2.1 Previous Contract Nature and Tasks

Under recent contracts, the following types of task orders have been performed. Several relevant examples of task order titles are included for each type of task. The examples are provided for illustrative purposes only, and do not necessarily predict the type, or relative make-up of task orders and types of work that will be awarded on this contract.

Examples from previous contract Task Orders, for each category of work:

I. Research, Development, Testing, and Evaluation (RDT&E)
- a. Development of a quality assurance test plan, oversight of related testing, and reporting, associated with technology verification of the Navy's Sediment Ecotoxicity Assessment Ring (SEA Ring)
- b. Dialysis Sampler Project Bench-Scale Water Analysis, Initial Field Site Groundwater Analyses, and Data Evaluation
- c. Developing Extraction Tests for Determining the Bioavailability of Metals in Soil

II. Technology Implementation.
- a. Perform a treatability study to evaluate the effectiveness of sulfate in treating a dissolved phase groundwater plume.
- b. Mobile Bioslurping System Installation

c. Prepare and implement corrective action plan, delineate two solvent plumes, and complete a treatability study for a landfill

III. Site Operation and Maintenance (O&M).

a. Repair and Operation of the Bioslurper System and Biopile at a Petroleum Hydrocarbon site.
b. Operation and Maintenance of Innovative Bullet Containment Systems
c. Remedial Action, Operation and Groundwater Monitoring & Support for a Former Gas Station with MTBE.
d. Underground storage tank (UST) removal, and UST site cleanup and long-term monitoring.

IV. Technical Consultation.

a. Optimization and reduction of life cycle costs of existing, operating, treatment systems
b. Range Clearance Operations Support
c. Vapor Intrusion Technical Assistance
d. Eco-risk technical assistance in the development of a strategy to resolve data gaps and concerns relative to the Proposed Plan
e. RCRA Solid Waste Management Unit Technical Support
f. Emerging Contaminant Technical Consultation and Assistance
g. Cleanup Review Tiger Team
h. Program/document review

V. Program Development and Management.

a. Total Waste Innovations
b. Range Cleanup and Sustainability Management
c. Health and Safety Programs
d.. Multimedia (multiple waste streams) Environmental Management: The term "Multimedia" refers to the need for services in all major Federal, State and local environmental and occupational safety and health regulatory areas. The following are major environmental and safety/health management programs which are present at most major installations. The list is not all encompassing.

* Air Emissions Management
* Cultural and Historic Resources Management
* Hazardous Materials Management
* Hazardous Waste Management
* Natural Resources Management
* Pesticide Management
* Petroleum, Oil and Lubricant (POL) Management
* Solid Waste Management and Recycling
* Special Pollutants (PCB, Asbestos, Lead Based Paint, Radon Gas, etc.)
* Noise Management
* Storage Tank Management
* Water Quality Management
* Radioactive Materials Management
* Stormwater Management
* Range Sustainability
* UXO and Range Residue Clearance and Removal
* Environmental Planning
* Sustainability

In addition, a Task Order to provide for rapid response was awarded under the previous contract. Examples of tasks completed under this Rapid Response Task Order were:

Document or project review
Conduct site visits to review, monitor, and provide recommendations
Optimization evaluations (evaluate technology, provide recommendations)
Attend technical support meetings (write-ups, provide recommendations)
Assist with regulatory negotiations
Provide public communication support for environmental projects

Cost and performance review

Under the previous contract, the following programs were supported:

a. IR Program (support includes RCRA or UST when it is eligible for ER funding)
b. Environmental Compliance
c. Munitions Response/Range Sustainability
d. Other (Other federal agencies including Air Force, NASA, ESTCP and SERDP)

The examples from the previous contract are provided for illustrative purposes only, and do not predict the type, or relative make up of task orders and types of work that will be awarded on this contract.

2.2 New Contract Nature and Tasks

This contract is also an IDIQ environmental services contract with similar breadth of scope outlined in Paragraph 2.1. The work for this contract will be specified in individual Task Orders.

The relative amount of support required in each category is unknown until individual requests are received. The period of performance will be one year with an additional four option years that may be awarded.

PART 3.0 SCOPE

The contract's purpose is to provide tasks that directly impact a system, site or activity. For example, to implement technology, characterize the site, provide technical consultation, or provide O&M. The contractor will incorporate sustainability into its execution of the specific project(s) to the maximum extent practicable. In addition, the contract's scope provides for indirect support, like supplementary work that seeks to improve or manage either the direct support being provided or the program itself. Tasks may include:

1) Implementing innovative environmental technologies, strategies and techniques by:

- Providing research, development, testing, evaluation (RDT&E), and demonstration of new and/or innovative technologies, products, and services.
- Performing technology/remedy selection, design, construction, optimization, testing/performance sampling, and operation and maintenance.

2) Provide technical consultation.

- Provide expert guidance on originating or updating, work plans, guidance documents, installation/program orders, memorandums, training publications, and other publications that may be considered mission essential.
- Provide solutions to identified problems of environmental concern that require action as dictated by federal, state, local, and/or installation policy.
- Participate as technological experts in technical discussions on the government's behalf.
- Provide guidance for optimization remedy selection and remedial design.
- Provide onsite technical support.
- Participate on Cleanup Review Tiger Teams (CURTTs).
- Provide innovative ideas for updating and improving environmental business processes.
- Provide guidance and support for NAVFAC's Business Management System (BMS) support.

3) Provide, develop, optimize, manage, and/or update work plans for specified projects, environmental management programs, natural resource programs, range operations management program, climate change initiative programs, green and sustainable remediation practices, LEED and health and safety programs.

4) Ensure technology implementation, management, quality assurance (QA) and training.

5) Provide administrative support.

- Complete/update draft and final reports, work plans (including 5-year plans), manuals, presentations, publications, and other documents as required by or for: (1) local, state, and federal

regulators, environmental or otherwise; (2) a specified DoD installation; (3) public outreach; (4) training/technology transfer to DoD personnel; and (5) any other person, entity, program, or mission outlined in an accepted PWS.

- Reproduce publications, compact disks (CDs), brochures, training manuals, and any other media deemed necessary as outlined in an acceptable PWS.

6) Conduct studies as required. Examples include site characterization, effectiveness of technology implementation, trend and model analysis, ecological risk assessments, range sustainability, natural resource assessments, energy surveys and future project cost assessments.

7) Plan, design, construct, test, provide site and/or system operation and maintenance (O&M), and/or manage the following:

- Wells (groundwater monitoring, drinking water, etc.).
- Soil or groundwater remediation systems.
- Wastewater treatment systems
- Systems that aid in reduction of ambient GHG concentrations in the atmosphere.

8) Provide long-term monitoring of sites where it has been approved by all regulators and stakeholders as the remedy of choice.

9) Facilitate onsite and offsite meetings regarding environmental concerns.

10) Provide technical, logistical, and operational program development, improvement, and/or support for sustainable range management through range residue clearance and processing.

11) Provide necessary support to reach established goals of a specified installation restoration (IR) program.

12) Have technical and logistical ability to respond and act quickly to a wide variety of urgent requirements under a delivery order/task order created for the sole purpose of handling urgent requests.

***Note:** This list is not all-inclusive, and is included to provide an understanding of the type of projects that may be placed on this contract.

This support will be provided to:

1) Facilitate compliance with federal, state, and local environmental regulations (In the case of naval installations on foreign soil, achieving compliance with environmental sections of Status of Forces Agreements.);

2) Implement DoD, component, regional or installation guidance and policy (e.g., directives, base orders, instructions, orders) related to the Navy's environmental mission; and

3) Implement Presidential Executive Orders.

4) Provide innovative, effective, and cost-efficient solutions for a wide variety of environmental challenges at Navy and Marine Corps installations and sites.

In support of programs and projects at various levels of government including federal, regional or local installation level, including:

1) Environmental Programs include, but are not limited to:

a. Environmental Restoration (ER)

i. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), also known as the Installation Restoration (IR) Program within the Navy

ii. Munitions Response Program (MRP)

b. Range Management and Sustainability
c. Compliance programs
    i. Resource Conservation Recovery Act (RCRA)
    ii. Underground Storage Tank (UST)
    iii. Storm water
    iv. Occupational Safety and Health
    v. National Environmental Policy Act (NEPA)
    vi. Natural Resources
d. Climate Change Initiative
e. Pollution Prevention (P2)
f. Technology Transfer (T2)
g. Sustainability

2) Non-environmental programs that have environmental support needs, including the Base Realignment and Closure (BRAC) Program.

PART 4.0 MANDATORY COMPLIANCE REFERENCES

Each Task Order negotiated under this contract will provide its own list of references that must be reviewed and/or adhered. In all cases, work must be performed in accordance with federal, state, local and installation laws, regulations and instructions.

The Government's objective is to rapidly acquire quality service products that satisfy user needs with measurable improvements to mission capability at a fair and reasonable price. Thus, performance based acquisition forms an integral part of this Requirement. Potential acquisition assessment guidance can be found in DoD Instruction 5000 and 5001 and also Office of the Secretary of Defense Assessment guidance.

PART 5.0 PERFORMANCE REQUIREMENTS

The Contract Performance Requirements are outlined in the Performance Requirements Summary Matrix in the Performance Assessment Plan (PAP). Specific performance requirements for each Task Order will be decided upon prior to award of each individual task order. The specific criteria applicable for each task order will be chosen from criteria available for assessment in the PAP. The Performance Requirements Summary Matrix lists each task order's Performance Requirements by task in a detailed Performance Requirements Matrix similar to the following:

Performance Objective (task / work element)
Performance Standard
Acceptable Quality Level
Assessment Method
Incentive Remedy

The Performance Requirements are tailored for each project, and will be outlined in the PWS for that task order.

PART 6.0 DELIVERABLES

Each Task Order negotiated under this contract will provide its own list of deliverables. It will include appropriate details such as content, format, timing, and receiving party. In order to perform some Task Orders, field or laboratory work is required, and planning documents must be prepared (i.e., Field Workplan, Quality Assurance Plan, Health and Safety Plan). The Government must accept all plans before the contractor employs them.

Depending on the task and its performance requirements, those deliverables could include one or more of the following in draft, draft final and final. All dates will be outlined in the individual Task Orders.

Deliverable Examples:

a) Test and Evaluation Report
b) Technical Report
c) Plans (Field Work Plan, Health and Safety Plan, Quality Assurance Plan, Quality Control Plan, O&M Plan)
d) Progress reports
e) As-built equipment/systems/items
f) Electronic Data Deliverable packages
g) Geospatial data/maps
h) Trip report
i) White paper
j) IR Program Documents e.g., Engineering Evaluation/Cost Analysis, Proposed Plan, Record of Decision, Action Memorandum, Preliminary Site Investigation, Site Investigation, Remedial Investigation, and Closure Report.
k) Sampling Results (e.g., Quarterly Sampling Results, Yearly Sampling Report)
l) Other program Documents e.g., UST Corrective Action Plan
m) Spill Prevention, Control, and Countermeasures plan.
n) Web pages and web-based tools.
o) Training documents (manuals, presentations, etc.).