

DELIVERY ORDER

FINAL

1. CONTRACT NO. N00178-07-D-4925	2. DELIVERY ORDER NO. EJP2	3. EFFECTIVE DATE 02/13/2008	4. PURCHASE REQUEST NO. N62583-08-NR-55094
-------------------------------------	-------------------------------	---------------------------------	---

5. ISSUED BY SPECIALTY CENTER ACQUISITIONS NAVFAC CODE RAQN0/NAVAL BASE VENTURA COUNTY 1205 MILL RD BLDG 850 PORT HUENEME CA 93043-4347 cecilia.marquez@navy.mil 805-982-2172	CODE N62583	6. ADMINISTERED BY DCMA VIRGINIA 10500 BATTLEVIEW PARKWAY, SUITE 200 MANASSAS VA 20109-2342	CODE S2404A
--	----------------	--	----------------

7. CONTRACTOR ABSG CONSULTING INC. 1525 Wilson Blvd., Ste. 625 Arlington VA 22209	CODE 3RSX1	FACILITY	8. DELIVERY DATE See Section F
			9. CLOSING DATE/TIME (hours local time – Block 5 issuing office) SET ASIDE TYPE
			10. MAIL INVOICES TO See Section G

11. SHIP TO See Section D	12. PAYMENT WILL BE MADE BY DFAS Columbus Center, North Entitlement Operations P.O. Box 182266 Columbus OH 43218-2266	CODE HQ0337
------------------------------	--	----------------

13. TYPE OF ORDER	D	X	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above-numbered contract.
-------------------	---	---	---

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

ABSG CONSULTING INC. _____ NAME OF CONTRACTOR	Charles M. Mitchell Director Govt Svcs. _____ TYPED NAME AND TITLE
SIGNATURE	DATE SIGNED

14. ACCOUNTING AND APPROPRIATION DATA
See Section G

15. ITEM NO.	16. SCHEDULE OF SUPPLIES/SERVICES	17. QUANTITY ORDERED/ACCEPTED*	18. UNIT	19. UNIT PRICE	20. AMOUNT
See the Following Pages					

*If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	21. UNITED STATES OF AMERICA By: Maria R Miller	02/12/2008 CONTRACTING/ORDERING OFFICER	22. TOTAL \$44,500.00
---	--	--	--------------------------

SECTION	DESCRIPTION	SECTION	DESCRIPTION
B	SUPPLIES OR SERVICES AND PRICES/COSTS	H	SPECIAL CONTRACT REQUIREMENTS
C	DESCRIPTION/SPECS/WORK STATEMENT	I	CONTRACT CLAUSES
D	PACKAGING AND MARKING	J	LIST OF ATTACHMENTS
E	INSPECTION AND ACCEPTANCE		
F	DELIVERIES OR PERFORMANCE		
G	CONTRACT ADMINISTRATION DATA		

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 2 of 2
----------------------------------	----------------------------	----------------

GENERAL INFORMATION

Task order award. This task order is fully funded.

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 1 of 12
----------------------------------	----------------------------	-----------------

SECTION B SUPPLIES OR SERVICES AND PRICES

CLIN - SUPPLIES OR SERVICES

For FFP Items:

Item	Supplies/Services Qty	Unit	Unit Price	Total Price
2000	Explosives safety study (TBD)	1.0 Lot	\$44,500.00	\$44,500.00

Contract Type Summary for Payment Office:

The proposed Task Order type will be Firm Fixed Price (FFP).

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 2 of 12
----------------------------------	----------------------------	-----------------

SECTION C DESCRIPTIONS AND SPECIFICATIONS

Performance Base Statement of Work

Edwards AFB Area 120 Siting Study

Part 1.0 Introduction/Background

An explosives safety study is required to be conducted at Area 120 of Edwards Air Force Base. The study is required to evaluate the safety of personnel that conduct rocket engine tests from inside a partially earth-covered test control facility. Testing is conducted on either of two rocket motor test stands located near the control facility.

The structural response of the control facility to accidental blast and fragment loads generated from an unintentional explosion will be determined by engineers at the NAVFAC Engineering Service Center (NFESC). This study is requesting a thermal hazard analysis be conducted on the same facilities to complete the overall hazard assessment, including independent generation of blast and fragment loads from thermal hazard.

Rocket Motor Test Stand 1A is located 310 feet from the control facility. It is a low pressure test facility (operating at approximately 150 psi). The explosive yield from an accidental explosion at this test stand would have a TNT equivalency of approximately 6,000 lbs.

Rocket Motor Test Stand 2A is located 513 feet from the control facility. It is a high pressure test facility (operating at approximately 8,500 – 10,000 psi). The explosive yield from an accidental explosion at this test stand would have a TNT equivalency of approximately 14,000 lbs.

Part 2.0 Scope

The scope of work will consist of the following tasks:

- 2.1 Site visit and final scenario development
- 2.2 Model flammable release scenarios
- 2.3 Fire Modeling
- 2.4 Blast Modeling
- 2.5 Fragment Modeling
- 2.6 Letter reporting summarizing work

2.1 Site Visit and Final Scenario Development

A site visit will be conducted with the purpose of developing final scenarios for analysis. The hazard scenarios will include the following:

1. Tank ruptures (knock-on event from rocket motor blowup) releasing large quantity of Flammables

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 3 of 12
----------------------------------	----------------------------	-----------------

2. Line breaks releasing limited quantities of flammables
3. Burst of high pressure lines, generating missiles and blast
4. Burst of high pressure tanks, generating missiles and blast

Scenario conditions will be finalized including propellants involved, release volumes, rupture pressures, temperatures, etc. An inspection of the test stands and surrounding area will be made to identify geometry relative to control room and to become familiar to the site.

(Travel for one person's site visit is estimated at 2 nights, 3 days)

2.2 Model Flammable Release Scenarios

Estimate of the "Yield" or percentage of flammables that would be involved in an explosion or fireball. Use dispersion modeling to quantify the size of the flammable cloud reach and the height profile of the flammable cloud as input into the blast modeling.

2.3 Fire Modeling

Calculate heat flux contours for the maximum credible test scenarios identified at each of the two rocket motor test stands. The Department of Defense Explosives Safety Board (DDESB) requires protection from remote operations to a level of 0.3 cal/cm²/sec. Correlate heat flux contours with effects on people and buildings.

2.4 Blast Modeling

Perform explosion modeling for vapor cloud explosions at each of the rocket motor test stands and evaluate pressure vessel bursts and high pressure line bursts. Predict vapor cloud explosion overpressure loads and pressure vessel rupture overpressure loads on the control facility.

3.0 Fragment Modeling

Perform fragment modeling for various explosion scenarios including bursting vessels and pipe ruptures. Fragment sizes, initial velocities, and potential throw distance will be calculated.

4.0 Deliverables

A letter report will be prepared that documents the analysis. That will include a summary, discussion of technical approach, and results. Supporting calculations will be provided in an Appendix.

5.0 Period of Performance

The proposed period of performance or schedule is a total of eight (8) weeks from ARO.

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 4 of 12
----------------------------------	----------------------------	-----------------

SECTION D PACKAGING AND MARKING

Packaging and Marking shall be in accordance with Section D of the SeaPort-e Multiple Award Basic Contract.

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 5 of 12
----------------------------------	----------------------------	-----------------

SECTION E INSPECTION AND ACCEPTANCE

Upon completion of all work and final submission of all data items, the contractor's Senior Technical Representative shall prepare and sign a Certificate of Final Acceptance memorandum, and submit it to the TOM for signature. The contractor shall include the fully signed memorandum with its final invoice.

Inspection and Acceptance shall be in accordance with Section E of the SeaPort-e Multiple Award IDIQ Basic Contract for Firm Fixed Price Task Orders. Packaging and Marking shall be in accordance with Section D of the SeaPort-e Multiple Award IDIQ Basic Contract.

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 6 of 12
----------------------------------	----------------------------	-----------------

SECTION F DELIVERABLES OR PERFORMANCE

CLIN - DELIVERIES OR PERFORMANCE

Refer to Section B and the SOW for specific deliverables.

The estimated period of performance is approximately eight (8) weeks after ARO.

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 7 of 12
----------------------------------	----------------------------	-----------------

SECTION G CONTRACT ADMINISTRATION DATA

5252.232-9513 INVOICING INSTRUCTIONS AND PAYMENT (WAWF INSTRUCTIONS) (MAR 2006)

(a) Invoices for goods received or services rendered under this contract shall be submitted electronically through Wide Area Work Flow – Receipt and Acceptance (WAWF):

(1) The vendor shall self-register at the web site <https://wawf.eb.mil>. Vendor training is available on the Internet at <http://www.wawftraining.com>. Additional support can be obtained by calling the NAVY WAWF Assistance Line: 1-800-559-WAWF (9293).

(2) WAWF Vendor guides "Quick Reference" are located at the following web site:
<http://www.acquisition.navy.mil/navyaos/content/view/full/3521>

(3) Select the invoice type within WAWF as specified below. Back up documentation (such as timesheets, etc.) can be included and attached to the invoice in WAWF. Attachments created in any Microsoft Office product are attachable to the invoice in WAWF. Total limit for the size of files per invoice is 5 megabytes.

(b) The following information, regarding invoice routing DODAAC's, must be entered for completion of the invoice in WAWF:

WAWF Invoice Type: Access the following web site for information on invoice types:
http://www.wawftraining.com/courses/_content_package/content_files/menuTree.html Click on Vendor, then Determine Type of Document to Create.

Issuing Office DODAAC: N62583

Admin Office DODAAC: See block 6 of Task Order front page.

Inspector DODAAC (if applicable): N62583

Ship To DODAAC (for Combo): N62583

Acceptor DODAAC (if applicable): N62583

Local Processing Office : N/A Leave Blank

DCAA Office DODAAC (Cost Voucher Approver – if applicable): Enter DCAA Office DODAAC

Paying Office DODAAC: See Block 12 of Task Order front page

(c) The contractor shall submit invoices / cost vouchers for payment per contract terms. Contractors approved by DCAA for direct billing will not process vouchers through DCAA, but may submit directly to DFAS. Final voucher submission will be approved by the ACO.

(d) The Government shall process invoices / cost vouchers for payment per contract terms.

(e) For each invoice / cost voucher submitted for payment, the contractor shall also email the WAWF automated invoice notice directly to the following points of contact:

The TOM (Task Order Manager) assigned to this task order is Mr. Phillip Wager at email: Phillip.Wager@navy.mil.

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 8 of 12
----------------------------------	----------------------------	-----------------

G14S CONTRACTOR'S SENIOR TECHNICAL REPRESENTATIVE (AUG 2005)

Contractors: Fill-in the information required below and submit it as an attachment to your proposal. The contractor's senior technical representative, point of contact for performance under this task order is:

Name:

Title:

Mailing Address:

E-mail Address:

Telephone:

FAX:

G17S TOM APPOINTMENT (AUG 2005)

(a) The Task Order Ordering Officer hereby appoints the following individual as the Task Order Manager (TOM) for this task order:

Name: Mr. Phillip Wager

Code: Code OP62

Mailing Address: NAVFAC, ESC
1100 23rd Ave.
Port Hueneme, CA. 93043-4370

Telephone: (805)982-1239

Commercial (401)-

DSN 432-1239

(b) The TOM is responsible for those specific functions assigned in the Task Order Administration Plan, attached.

(c) Only the Task Order Ordering Officer has the authority to modify the terms of the task order. Therefore, in no event will any understanding, agreement, modification, change order, or other matter deviating from the terms of the basic contract or this task order between the contractor and any other person be effective or binding on the Government. If, in the opinion of the contractor, an effort outside the existing scope of this task order is requested, the contractor shall promptly notify the Task Ordering Office in writing. No action shall be taken by the contractor unless the Task Order Ordering Officer, or basic contract PCO has issued a formal modification.

CONTRACTING OFFICER:

Becky Miller, (805) 982-4414, maria.miller@navy.mil

Specialty Center Acquisitions, NAVFAC (SCAN), Code RAQN0, Naval Base Ventura County, 1205 Mill Rd, Bldg 850, Port Hueneme, CA. 93043-4347

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 9 of 12
----------------------------------	----------------------------	-----------------

CONTRACT SPECIALIST:

Cecilia Marquez, (805) 982-2172, cecilia.marquez@navy.mil

Specialty Center Acquisitions, NAVFAC (SCAN), Code RAQN0, Naval Base Ventura County, 1205 Mill Rd, Bldg 850, Port Hueneme, CA. 93043-4347

Please send courtesy copies of invoices to the above named contract specialist.

Accounting Data

SLINID	PR Number	Amount
2000	N6921808RCT0088	44500.00

LLA :

AA 97X4930 NH5A 000 77777 0 068894 2F 000000 00008RCT0088

Funding for CLIN 2000 - Peform all task stated in the SOW - fully funded order

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 10 of 12
----------------------------------	----------------------------	------------------

SECTION H SPECIAL CONTRACT REQUIREMENTS

Special contract requirements (Section H) shall be in accordance with Section H of the SeaPort-e Multiple Award basic contract.

H20S INSURANCE - WORK ON A GOVERNMENT INSTALLATION

The following types of insurance are required in accordance with the clause entitled, Insurance - Work On A Government Installation (FAR 52.228-5), and shall be maintained in the minimum amounts shown:

- (1) Comprehensive General Liability: \$200,000 per person and \$500,000 per accident for bodily injury.
- (2) Automobile Insurance: \$200,000 per person and \$500,000 per accident for bodily injury and \$20,000 per accident for property damage.
- (3) Standard Workmen's Compensation and Employer's Liability Insurance (or, where maritime employment is involved, Longshoremen's and Harbor Worker's Compensation Insurance) in the minimum amount of \$100,000.

H52S PRIOR WRITTEN PERMISSION REQUIRED TO SUBCONTRACT (FEB 2007)

None of the services required by this task order shall be subcontracted to or performed by persons other than the contractor, the contractor's employees, or those subcontractors (as listed below) which were proposed and approved in the initial offer, without the prior written approval of the Task Order Ordering Officer.

Subcontractors Manhours

H-355 CONTRACTOR IDENTIFICATION (DEC 1999)

- (a) Contractor employees must be clearly identifiable while on Government property by wearing appropriate badges.
- (b) Contractor employees are required to clearly identify themselves and the company they work for whenever making contact with Government personnel by telephone or other electronic means.

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 11 of 12
----------------------------------	----------------------------	------------------

SECTION I CONTRACT CLAUSES

In accordance with the SeaPort-e Multiple Award basic contract for a Firm Fixed Price Task Orders.

52.237-2 Protection of Government Buildings, Equipment and Vegetation (Apr 1984)

CONTRACT NO. N00178-07-D-4925	DELIVERY ORDER NO. EJP2	PAGE 12 of 12
----------------------------------	----------------------------	------------------

SECTION J LIST OF ATTACHMENTS