

SOLICITATION, OFFER AND AWARD		1. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)		RATING DO-A3	PAGE OF PAGES 1 49
2. CONTRACT NO.		3. SOLICITATION NO. N65540-04-R-0021	4. TYPE OF SOLICITATION <input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	5. DATE ISSUED 02 Jun 2004	6. REQUISITION/PURCHASE NO.
7. ISSUED BY NAVAL SURFACE WARFARE CENTER, CARDEROCK CODE 3351, DORIS S. TUNG 5001 SOUTH BROAD STREET PHILADELPHIA PA 19112-1403		CODE N65540	8. ADDRESS OFFER TO (If other than Item 7) See Item 7		CODE TEL: FAX:

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and 1 copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in Bldg 4, 2nd Floor, Code 3351 until 15 00 local time 08 Jul 2004
(Hour) (Date)

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. FOR INFORMATION CALL:	A. NAME CODE 3351, DORIS S. TUNG	B. TELEPHONE (Include area code) (NO COLLECT CALLS) 215-897-8086	C. E-MAIL ADDRESS TungDS@nswccd.navy.mil
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OFFER (Must be fully completed by offeror)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT (See Section I, Clause No. 52.232-8)

14. ACKNOWLEDGMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated):	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	
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15B. TELEPHONE NO (Include area code)	<input type="checkbox"/> 15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.	17. SIGNATURE	18. OFFER DATE
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AWARD (To be completed by Government)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION	
22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304(c)() <input type="checkbox"/> 41 U.S.C. 253(c)()		23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified)	ITEM
24. ADMINISTERED BY (If other than Item 7) CODE		25. PAYMENT WILL BE MADE BY CODE	

26. NAME OF CONTRACTING OFFICER (Type or print)	27. UNITED STATES OF AMERICA (Signature of Contracting Officer)	28. AWARD DATE
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IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

SECTION B Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	FFP - Liquid Oxygen System Technical Data Base Items				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AA	FFP - Engineering Drawings				

FFP-Refer to Exhibit A, Sequence No. A001- DD Form 1423

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AB	FFP - Spare Parts, Special Tools and Test Equipment List				

FFP-Refer to Exhibit A, Sequence No. A002-DD Form 1423

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AC	FFP - Deliverables List				

FFP-Refer to Exhibit A, Sequence No. A003- DD Form 1423

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AD	FFP - Welding/Brazing Procedures				

FFP-Refer to Exhibit A, Sequence No. A004- DD Form 1423

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AE		1.00	Lot		
	FFP - Reliability and Maintainability Program Plan				
	FFP-Refer to Exhibit A, Sequence No. A005- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AF		1.00	Lot		
	FFP - Reliability, Maintainability Allocation, Assessments and Analysis				
	FFP-Refer to Exhibit A, Sequence No. A006- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AG		1.00	Lot		
	FFP - Maintainability Demonstration Test Plan and Procedures				
	FFP-Refer to Exhibit A, Sequence No. A007				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AH		1.00	Lot		
	FFP - Human Engineering Design Approach				
	FFP-Refer to Exhibit A, Sequence No. A009- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AJ		1.00	Lot		
	FFP - Adsorbent Testing-Test Plan				
	FFP-Refer to Exhibit A, Sequence No. A010- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AK		1.00	Lot		
	FFP - First Article Test Plan and Procedures				
	FFP-Refer to Exhibit A, Sequence No. A012- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AL		1.00	Lot		
	FFP - Shock Design Math Model, Analysis Report				
	FFP-Refer to Exhibit A, Sequence No. A014- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AM		1.00	Lot		
	FFP - High Impact Shock Test Plan and Procedures				
	FFP-Refer to Exhibit A, Sequence No. A015- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AN		1.00	Lot		
	FFP - Vibration Test Plan				
	FFP-Refer to Exhibit A, Sequence No. A017- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AP		1.00	Lot		
	FFP - EMI Test Plan and Procedures				
	FFP-Refer to Exhibit A, Sequence No. A019- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AQ		1.00	Lot		
	FFP - Technical Manual Validation Plan				
	FFP-Refer to Exhibit A, Sequence No. A021- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AR		1.00	Lot		
	FFP - Provisioning Parts List				
	FFP-Refer to Exhibit B, Sequence No. L004-DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AS		1.00	Lot		
	FFP - Software Development Plan				
	FFP-Refer to Exhibit C, Sequence No. A025-DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AT		1.00	Lot		
	FFP - Software Test Plan (STP)				
	FFP-Refer to Exhibit C, Sequence No. S004- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AU		1.00	Lot		NSP*
	FFP - Meeting Agenda				
	FFP-Refer to Exhibit D, Sequence No. A026- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AV		1.00	Lot		NSP*
	FFP - Conference Minutes				
	FFP- Refer to Exhibit D, Sequence No. A027- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001AW			Lot		NSP*
	FFP - Contractor Progress, Status and Management Report				
	FFP-Refer to Exhibit D, Sequence No. A030- DD Form 1423				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0002			Each		
	FFP - Liquid Oxygen System Option Item				
	FFP- See Section C for Specifications				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003	FFP - Liquid Oxygen System Technical Data Options Items				

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AA	FFP - Technical Manual FFP-Refer to Exhibit A, Sequence No. A022- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AB	FFP - Technical Repair Standards FFP-Refer to Exhibit A, Sequence No. A023- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AC	FFP - Engineering Data for Provisioning (EDFP) Digital Copy FFP-Refer to Exhibit B, Sequence No. L001- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AD	FFP - Engineering Data for Provisioning (EDFP) Hard Copy FFP- Refer to Exhibit B, Sequence No. L001A- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AE	FFP - Engineering Data for Provisioning (EDFP) for Interim Support Data FFP-Refer to Exhibit B, Sequence No. L005- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AF	FFP - Design Change Notice FFP-Refer to Exhibit B, Sequence No. L009- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AG	FFP - Provisioning Conferences FFP-Refer to Exhibit B, Sequence No. L010- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AH	FFP - Provisioning Conference Minutes FFP-Refer to Exhibit B, Sequence No. L011- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AJ	FFP - Component Identification Data (CID) for Statement of Prior Submission FFP-Refer to Exhibit B, Sequence No. L013- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AK	FFP - Maintainability Demonstration Test Report FFP-Refer to Exhibit A, Sequence No. A008- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AL	FFP - Adsorbent Testing Report FFP-Refer to Exhibit A, Sequence No. A011- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AM	FFP - First Article Testing Documentation and Test Report FFP-Refer to Exhibit A, Sequence No. A013- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AN	FFP - Shock Test Report FFP-Refer to Exhibit A, Sequence No. A016- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AP	FFP - Vibration Test Report FFP-Refer to Exhibit A, Sequence No. A018- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AQ	FFP - EMI Test Report FFP-Refer to Exhibit A, Sequence No. A020- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AR	FFP - Software Test Report (STR) FFP-Refer to Exhibit C, Sequence No. S006- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AS	FFP - Software Requirements Specification (SRS) FFP-Refer to Exhibit C, Sequence No. S002- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AT	FFP - Software Design Description (SDD) FFP-Refer to Exhibit C, Sequence No. S003- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AU	FFP - Software Test Description (STD) FFP-Refer to Exhibit C, Sequence No. S005- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AV	FFP - Software Product Specification (SPS) FFP-Refer to Exhibit C, Sequence No. S007- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AW	FFP - Software Programmers' Guide (SPG) FFP-Refer to Exhibit C, Sequence No. S008- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AX	FFP - Training Material and Product FFP-Refer to Exhibit D, Sequence No. A028- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AY	FFP - Contractor Engineering Services and Technical Services FFP-Refer to Exhibit D, Sequence No. A029- DD Form 1423		Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003AZ	FFP - Meeting Agenda FFP-Refer to Exhibit D, Sequence No. A026- DD Form 1423		Lot		NSP*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003BA	FFP - Conference Minutes FFP- Refer to Exhibit D, Sequence No. A027- DD Form 1423		Lot		NSP*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0003BB	FFP - Contractor Progress, Status and Management Report FFP-Refer to Exhibit D, Sequence No. A030- DD Form 1423		Lot		NSP*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004	FFP - Installation Support Services for Item 0002 Refer to Section C for specifications	15	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AA	FFP - Travel Costs	1.00	Lot		NTE \$1000*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004AB	FFP - Per Diem	1.00	Lot		NTE \$1800*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	FFP - Field Training Services for Item 0002 Refer to Section C for specifications	13	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005AA	FFP - Travel Cost	1.00	Lot		NTE \$1800*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005AB	FFP - Per Diem	1.00	Lot		NTE \$1600*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0006	FFP - Liquid Oxygen System Option Items FFP- Same as Item 0002	3.00	Each		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007	FFP - Installation Support Services for Item 0006 Refer to Section C for specifications	45	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007AA	FFP - Travel Cost	1.00	Lot		NTE \$3600*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0007AB	FFP - Per Diem	1.00	Lot		NTE \$5700*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008	FFP - Field Training Services for Item 0006 Refer to Section C for specifications	39	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008AA	FFP - Travel Cost	1.00	Lot		NTE \$3600*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0008AB	FFP - Per Diem	1.00	Lot		NTE\$5100*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0009	FFP - Liquid Oxygen System Option Items FFP-Same as Item 0002	3.00	Each		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010	FFP - Installation Support Services for Item 0009 Refer to Section C for specifications	45	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010AA	FFP - Travel	1.00	Lot		NTE \$3900*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0010AB	FFP - Per Diem	1.00	Lot		NTE \$6000*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011	FFP - Field Training Services for Item 0009 Refer to Section C for specifications	39	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011AA	FFP - Travel	1.00	Lot		NTE \$3900*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0011AB	FFP - Per Diem	1.00	Lot		NTE \$5400*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0012	FFP - Liquid Oxygen System Options Items FFP-Same as Item 0002	2.00	Lot		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013	FFP - Installation Support Services for Item 0012 Refer to Section C for specifications	30	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013AA	FFP - Travel	1.00	Lot		NTE \$3000*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0013AB	FFP - Per Diem	1.00	Lot		NTE \$4200*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014	FFP - Field Training Services for Item 0012 Refer to Section C for specifications	26	Days		

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014AA	FFP - Travel	1.00	Lot		NTE \$3000*

NET AMT

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0014AB	FFP - Per Diem	1.00	Lot		NTE \$3800*

NET AMT

TOTAL PRICE _____

*NSP – Not Separately Priced

**NTE – Not to Exceed

The Naval Surface Warfare Center, Carderock Division (NSWCCD), Philadelphia intends to award a firm-fixed price contract resulting from this solicitation for the furnishing of a Liquid Oxygen Production and Storage System, Associated Technical Data, Installation Support Services and Field Training Services. The base requirement consists of the Technical Data covered by Item 0001, and the options consist of the Liquid Oxygen Storage System covered by Items 0002, 0006, 0009, 0012, the Technical Data covered by Item 0003, the Installation Support Services covered by 0004, 0007, 0010, 0013, and the Field Training Services covered by 0005, 0008, 0011 and 0014.

The offeror is requested to submit proposed firm-fixed unit prices for Items 0001, 0002, 0006, 0009, 0012. Items 0001AU, 0001AV, 0001AW, 0003BB, 0003BC, 0003BD, 0003AG, 0003AH have been designated as “Not Separately Priced.”

The Government estimates fifteen man-days of effort will be required to be furnished for the Installation Support Services under Item 0004, forty-five man-days of effort under Item 0007 and Item 0010, and thirty man-days of effort under Item 0013. The Government also estimates thirteen man-days of effort to be furnished for the Field Training Services under Item 0005, thirty-nine man-days under Item 0008 and Item 0011, and twenty-six man-days under Item 0014. The offeror is requested to propose a fixed man-day rate (based upon one day of eight hours, Monday through Friday) that includes wages, overhead, general, and administrative expenses and profit for each these items.

The negotiated extended amount for the Travel Costs and Per Diem for the Installation Training Services covered by Items 0007AA, 0007AB, 0010AA, 0010AB, 0013AA, 0013AB, and the Field Training Services covered by Items 0008AA, 0008AB, 0011AA, 0011AB, 0014AA, 0014AB contained in the resulting contract will be considered a Not-to-Exceed Price.

As detailed in Section L, a technical proposal is required to be submitted as part of any offer in response to this solicitation. The Government intends to make an award to the offeror whose technical proposal is the most advantageous to the Government and presents the best value.

SECTION C Descriptions and Specifications

The articles to be furnished hereunder shall be in accordance with the Liquid Oxygen Production and Storage System Specification provided as Attachment 2.

SECTION D Packaging and Marking

Preservation, packaging and packing shall be in accordance with the contractor's best standard procedures and practices and care should be taken to protect against environmental damage that could occur during transport.

Inspection of packaging. Sample packs, and the inspection of the preservation packing, and marking for shipment and storage shall be in accordance with the requirements of section 5 of performance specification and the documents specified therein.

Preservation and unit pack. Preservation and unit pack shall be level A, as specified:

Level A. Equipment shall be cleaned, dried, and purged using dry nitrogen gas meeting Specification AA-59503 and in accordance with MIL-STD-1330. The equipment shall be sealed and shipped under a nitrogen gas pressure of 5-lb/in² gauge to prevent the entry of any contaminants. The equipment shall be unit protected in accordance with method C (method II) of MIL-C-52211.

Packing. Equipment shall be packed in crates conforming to type II, class 2, style at the contractor option of MIL-C-104. Cushioning, blocking and bracing shall be in accordance with MIL-STD-1186 and the appendix to MIL-C-104. Crates shall be provided with inspection doors for interim inspection and servicing of contents.

Container modification. Shipping containers exceeding 200 pounds gross weight shall be provided with a minimum of two, 3- by 4-inch nominal wood skids laid flat or a skid- or sill-type base which will support the material and facilitate handling by mechanical handling equipment during shipment and storage.

Marking.

Items 0002, 0006, 0009, 0012. Each item purchased shall be packaged and labeled individually. For delivery purposes, once packaged, items can be shipped together or separately in one or more boxes, Box(es) shall be labeled clearly with a description of content.

Marking and Packing List.

Marking. In addition to any special marking required (see 6.2), shipping containers shall be marked in accordance with MIL-C-52211 and shall include the marking requirements of MIL-C-104. Alternately, Shipments, shipping containers and palletized unit loads shall be marked in accordance with MIL-STD-129.

Packing List(s). A packing list (DD Form 250 Material Inspection and Receiving Report may be used) identifying the contents of each shipment, shipping container or palletized load shall be provided by the Contractor with each shipment in accordance with the latest issuance of MIL-STD-129. If a contract line item identified under a single stock number includes an assortment of related items such as kit or set components, detached parts or accessories installation hardware or materials, the packing list(s) shall identify the assorted items. Where DD Form 1348-1 or DD Form 1348-1A is applicable and an assortment of related items is included in the shipping container, a packing list identifying the contents shall be furnished.

Master Packing List. In addition to the requirements in the previous paragraph, a master packing list shall be prepared when more than one shipment, shipping container, or palletized load comprise the contract line item being shipped. The master packing list shall be attached to the number one container and so identified.

Part Identification. All items within the kit, set, installation hardware or material shall be suitably segregated and identified within the unit pack(s) or shipping container by part number and/or national stock number. Refer to the latest issuance of MIL-STD-129 for marking

Packaging instruction for initial onboard spares, once the parts are ordered.

Each part purchased shall be packaged and labeled individually IAW MIL-STD-1330, except for identical parts, which shall be packaged together. Boxes shall be labeled clearly with a description of contents. For delivery purposes, once packaged, item parts can be shipped together or separately, in one or more boxes. Preservation packaging shall be in accordance with MIL-STD 1330 and/ or contractor best practices to protect against environmental damage that could occur during transport.

SECTION E Inspection and Acceptance

CLAUSES INCORPORATED BY REFERENCE:

52.246-2	Inspection Of Supplies--Fixed Price	AUG 1996
52.246-16	Responsibility For Supplies	APR 1984
252.246-7000	Material Inspection And Receiving Report	MAR 2003

INSPECTION AND ACCEPTANCE TERMS

Supplies will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT BY	ACCEPT BY
0001, 0003	Destination	NSWCCD Philadelphia	Destination	NSWCCD Philadelphia
0002, 0006, 0009, 0012	Origin	DCMA	Origin	DCMA

Shipping instructions:

Items 0001 and 0003 will be delivered to NSWCCD, Philadelphia.
Items 0002, 0006, 0009, 0012 will be delivered to Newport News, VA.

Complete shipping and marking instructions will be provided at the time of award.

SECTION F Deliveries or Performance

CLAUSES INCORPORATED BY REFERENCE:

52.211-17	Delivery of Excess Quantities	SEP 1989
52.242-15	Stop-Work Order	AUG 1989
52.242-17	Government Delay Of Work	APR 1984
52.247-34	F.O.B. Destination	NOV 1991

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52.211-8 TIME OF DELIVERY (JUN 1997)

(a) The Government requires delivery to be made according to the following schedule:

REQUIRED DELIVERY SCHEDULE

The delivery schedule for Item 0001, 0003 is contained in Attachment (1).

ITEM NO.	WITHIN MONTHS AFTER EXERCISE OF OPTION
Item 0002, 0006, 0009, 0012	12 months

The Government will evaluate equally, as regards time of delivery, offers that propose delivery of each quantity within the applicable delivery period specified in the attachment. Offers that propose delivery that will not clearly fall within the applicable required delivery period specified in the attachment, will be considered non-responsive and rejected. The Government reserves the right to award under either the required delivery schedule or the proposed delivery schedule, when an offeror offers an earlier delivery schedule than required in the attachment. If the offeror proposes no other delivery schedule, the required delivery schedule attached will apply.

OFFEROR'S PROPOSED DELIVERY SCHEDULE

ITEM NO.	QUANTITY	WITHIN DAYS AFTER DATE OF CONTRACT
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(b) Attention is directed to the Contract Award provision of the solicitation that provides that a written award or acceptance of offer mailed, or otherwise furnished to the successful offeror, results in a binding contract. The Government will mail or otherwise furnish to the offeror an award or notice of award not later than the day award is dated. Therefore, the offeror should compute the time available for performance beginning with the actual date of award, rather than the date the written notice of award is received from the Contracting Officer through the ordinary mails. However, the Government will evaluate an offer that proposes delivery based on the Contractor's date of receipt of the contract or notice of award by adding (1) five calendar days for delivery of the award through the ordinary mails, or (2) one working day if the solicitation states that the contract or notice of award will be transmitted electronically. (The term "working day" excludes weekends and U.S. Federal holidays.) If, as so

computed, the offered delivery date is later than the required delivery date, the offer will be considered nonresponsive and rejected.

(End of Clause)

SECTION G Contract Administration Data

CLAUSES INCORPORATED BY REFERENCE:

252.242-7000 Postaward Conference

DEC 1991

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CAR-G02 SUBMISSION OF INVOICES (FIXED PRICE) (MAR 2004)

(a) "Invoice" as used in this clause does not include contractor requests for progress payments.

(b) The contractor shall submit original invoices with copies to the address identified in the solicitation/contract award form (SF 26-Block 10; SF 33-Block 23; SF 1447-Block 14), unless delivery/task orders are applicable, in which case invoices will be segregated by individual order and submitted to the address specified in the order (DD 1155-Block 13 or SF 26-Block 10).

(c) The use of copies of the Material Inspection and Receiving Report (MIRR), DD Form 250, as an invoice is encouraged. DFARS Appendix F-306 provides instructions for such use. Copies of the MIRR used as an invoice are in addition to the standard distribution stated in DFARS F-401.

(d) In addition to the requirements of the Prompt Payment clause of this contract, the contractor shall cite on each invoice the contract line item number (CLIN); the contract subline item number (SLIN), if applicable; the accounting classification reference number (ACRN) as identified on the financial accounting data sheets, and the payment terms.

(e) The contractor shall prepare:

___ a separate invoice for each activity designated to receive the supplies or services.

X a consolidated invoice covering all shipments delivered under an individual order.

___ either of the above.

(f) If acceptance is at origin, the contractor shall submit the MIRR or other acceptance verification directly to the designated payment office. If acceptance is at destination, the consignee will forward acceptance verification to the designated payment office

(End of clause)

SECTION I Contract Clauses

CLAUSES INCORPORATED BY REFERENCE:

52.202-1	Definitions	DEC 2001
52.203-3	Gratuities	APR 1984
52.203-5	Covenant Against Contingent Fees	APR 1984
52.203-6	Restrictions On Subcontractor Sales To The Government	JUL 1995
52.203-7	Anti-Kickback Procedures	JUL 1995
52.203-8	Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity	JAN 1997
52.203-10	Price Or Fee Adjustment For Illegal Or Improper Activity	JAN 1997
52.203-12	Limitation On Payments To Influence Certain Federal Transactions	JUN 2003
52.204-4	Printed or Copied Double-Sided on Recycled Paper	AUG 2000
52.204-7	Central Contractor Registration	OCT 2003
52.209-6	Protecting the Government's Interest When Subcontracting With Contractors Debarred, Suspended, or Proposed for Debarment	JUL 1995
52.211-5	Material Requirements	AUG 2000
52.215-2	Audit and Records--Negotiation	JUN 1999
52.215-8	Order of Precedence--Uniform Contract Format	OCT 1997
52.215-11	Price Reduction for Defective Cost or Pricing Data--Modifications	OCT 1997
52.215-13	Subcontractor Cost or Pricing Data--Modifications	OCT 1997
52.215-14	Integrity of Unit Prices	OCT 1997
52.215-21	Requirements for Cost or Pricing Data or Information Other Than Cost or Pricing Data--Modifications	OCT 1997
52.219-6	Notice Of Total Small Business Set-Aside	JUN 2003
52.219-8	Utilization of Small Business Concerns	MAY 2004
52.222-3	Convict Labor	JUN 2003
52.222-19	Child Labor--Cooperation with Authorities and Remedies	JAN 2004
52.222-21	Prohibition Of Segregated Facilities	FEB 1999
52.222-26	Equal Opportunity	APR 2002
52.222-35	Equal Opportunity For Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans	DEC 2001
52.222-36	Affirmative Action For Workers With Disabilities	JUN 1998
52.222-37	Employment Reports On Special Disabled Veterans, Veterans Of The Vietnam Era, and Other Eligible Veterans	DEC 2001
52.223-6	Drug-Free Workplace	MAY 2001
52.225-13	Restrictions on Certain Foreign Purchases	DEC 2003
52.227-1	Authorization and Consent	JUL 1995
52.227-2	Notice And Assistance Regarding Patent And Copyright Infringement	AUG 1996
52.228-5	Insurance - Work On A Government Installation	JAN 1997
52.229-3	Federal, State And Local Taxes	APR 2003
52.232-1	Payments	APR 1984
52.232-8	Discounts For Prompt Payment	FEB 2002
52.232-11	Extras	APR 1984
52.232-17	Interest	JUN 1996
52.232-23	Assignment Of Claims	JAN 1986
52.232-25	Prompt Payment	OCT 2003
52.232-33	Payment by Electronic Funds Transfer--Central Contractor Registration	OCT 2003
52.233-1	Disputes	JUL 2002

52.233-3	Protest After Award	AUG 1996
52.242-13	Bankruptcy	JUL 1995
52.243-1	Changes--Fixed Price	AUG 1987
52.244-6	Subcontracts for Commercial Items	MAY 2004
52.246-24	Limitation Of Liability--High-Value Items	FEB 1997
52.249-2	Termination For Convenience Of The Government (Fixed-Price)	MAY 2004
52.249-8	Default (Fixed-Price Supply & Service)	APR 1984
52.253-1	Computer Generated Forms	JAN 1991
252.203-7001	Prohibition On Persons Convicted of Fraud or Other Defense- Contract-Related Felonies	MAR 1999
252.204-7003	Control Of Government Personnel Work Product	APR 1992
252.204-7004	Required Central Contractor Registration Alternate A Alt A	NOV 2003
252.205-7000	Provision Of Information To Cooperative Agreement Holders	DEC 1991
252.209-7000	Acquisition From Subcontractors Subject To On-Site Inspection Under The Intermediate Range Nuclear Forces (INF) Treaty	NOV 1995
252.209-7004	Subcontracting With Firms That Are Owned or Controlled By The Government of a Terrorist Country	MAR 1998
252.225-7001	Buy American Act And Balance Of Payments Program	APR 2003
252.225-7002	Qualifying Country Sources As Subcontractors	APR 2003
252.225-7004	Reporting of Contract Performance Outside the United States	APR 2003
252.225-7012	Preference For Certain Domestic Commodities	FEB 2003
252.225-7013	Duty-Free Entry	JAN 2004
252.225-7016	Restriction On Acquisition Of Ball and Roller Bearings	APR 2003
252.226-7001	Utilization of Indian Organizations and Indian-Owned Economic Enterprises, and Hawaiian Small Business Concerns	OCT 2003
252.227-7013	Rights in Technical Data--Noncommercial Items	NOV 1995
252.227-7014	Rights in Noncommercial Computer Software and Noncommercial Computer Software Documentation	JUN 1995
252.227-7016	Rights in Bid or Proposal Information	JUN 1995
252.227-7019	Validation of Asserted Restrictions--Computer Software	JUN 1995
252.227-7025	Limitations on the Use or Disclosure of Government-Furnished Information Marked with Restrictive Legends	JUN 1995
252.227-7030	Technical Data--Withholding Of Payment	MAR 2000
252.227-7036	Declaration of Technical Data Conformity	JAN 1997
252.227-7037	Validation of Restrictive Markings on Technical Data	SEP 1999
252.232-7003	Electronic Submission of Payment Requests	JAN 2004
252.243-7001	Pricing Of Contract Modifications	DEC 1991
252.243-7002	Requests for Equitable Adjustment	MAR 1998
252.244-7000	Subcontracts for Commercial Items and Commercial Components (DoD Contracts)	MAR 2000
252.246-7001	Warranty Of Data	DEC 1991
252.247-7023	Transportation of Supplies by Sea	MAY 2002

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52.209-3 FIRST ARTICLE APPROVAL--CONTRACTOR TESTING (SEP 1989)

(a) The Contractor shall test Item 0002 as specified in this contract. At least 10 calendar days before the beginning of first article tests, the Contractor shall notify the Contracting Officer, in writing, of the time and location of the testing so that the Government may witness the tests.

(b) The Contractor shall submit the first article test report within 20 calendar days from the date testing is completed to ATTN: Miguel Bosch, Code 9212, boschmc@nswccd.navy.mil marked "FIRST ARTICLE TEST REPORT: Contract No. (to be assigned)" Within 20 calendar days after the Government receives the test report, the Contracting Officer shall notify the Contractor, in writing, of the conditional approval, approval, or disapproval of the first article. The notice of conditional approval or approval shall not relieve the Contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the Contractor. A notice of disapproval shall cite reasons for the disapproval.

(c) If the first article is disapproved, the Contractor, upon Government request, shall repeat any or all first article tests. After each request for additional tests, the Contractor shall make any necessary changes, modifications, or repairs to the first article or select another first article for testing. All costs related to these tests are to be borne by the Contractor, including any and all costs for additional tests following a disapproval. The Contractor shall then conduct the tests and deliver another report to the Government under the terms and conditions and within the time specified by the Government. The Government shall take action on this report within the time specified in paragraph (b) above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule, or for any additional costs to the Government related to these tests.

(d) If the Contractor fails to deliver any first article report on time, or the Contracting Officer disapproves any first article, the Contractor shall be deemed to have failed to make delivery within the meaning of the Default clause of this contract.

(e) Unless otherwise provided in the contract, and if the approved first article is not consumed or destroyed in testing, the Contractor may deliver the approved first article as part of the contract quantity if it meets all contract requirements for acceptance.

(f) If the Government does not act within the time specified in paragraph (b) or (c) above, the Contracting Officer shall, upon timely written request from the Contractor, equitably adjust under the changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

(g) Before first article approval, the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the Contractor. Before first article approval, the costs thereof shall not be allocable to this contract for (1) progress payments, or (2) termination settlements if the contract is terminated for the convenience of the Government.

(h) The Government may waive the requirement for first article approval test where supplies identical or similar to those called for in the schedule have been previously furnished by the offeror/contractor and have been accepted by the Government. The offeror/contractor may request a waiver.

(End of clause)

52.217-7 OPTION FOR INCREASED QUANTITY--SEPARATELY PRICED LINE ITEM (MAR 1989)

The Government may require the delivery of the numbered line item, identified in the Schedule as an option item, in the quantity and at the price stated in the Schedule. The Contracting Officer may exercise the option by written notice to the Contractor within the following schedule below. Delivery of added items shall continue at the same rate that like items are called for under the contract, unless the parties otherwise agree.

ITEM	MONTHS AFTER DATE OF CONTRACT
0002	22 months
0006	32 months
0009	42 months
0012	52 months

(End of clause)

52.248-1 VALUE ENGINEERING (FEB 2000)

(a) General. The Contractor is encouraged to develop, prepare, and submit value engineering change proposals (VECP's) voluntarily. The Contractor shall share in any net acquisition savings realized from accepted VECP's, in accordance with the incentive sharing rates in paragraph (f) below.

(b) Definitions. "Acquisition savings," as used in this clause, means savings resulting from the application of a VECP to contracts awarded by the same contracting office or its successor for essentially the same unit. Acquisition savings include--

(1) Instant contract savings, which are the net cost reductions on this, the instant contract, and which are equal to the instant unit cost reduction multiplied by the number of instant contract units affected by the VECP, less the Contractor's allowable development and implementation costs;

(2) Concurrent contract savings, which are net reductions in the prices of other contracts that are definitized and ongoing at the time the VECP is accepted; and

(3) Future contract savings, which are the product of the future unit cost reduction multiplied by the number of future contract units in the sharing base. On an instant contract, future contract savings include savings on increases in quantities after VECP acceptance that are due to contract modifications, exercise of options, additional orders, and funding of subsequent year requirements on a multiyear contract.

"Collateral costs," as used in this clause, means agency cost of operation, maintenance, logistic support, or Government-furnished property.

"Collateral savings," as used in this clause, means those measurable net reductions resulting from a VECP in the agency's overall projected collateral costs, exclusive of acquisition savings, whether or not the acquisition cost changes.

"Contracting office" includes any contracting office that the acquisition is transferred to, such as another branch of the agency or another agency's office that is performing a joint acquisition action.

"Contractor's development and implementation costs," as used in this clause, means those costs the Contractor incurs on a VECP specifically in developing, testing, preparing, and submitting the VECP, as well as those costs the Contractor incurs to make the contractual changes required by Government acceptance of a VECP.

"Future unit cost reduction," as used in this clause, means the instant unit cost reduction adjusted as the Contracting Officer considers necessary for projected learning or changes in quantity during the sharing period. It is calculated at the time the VECP is accepted and applies either (1) throughout the sharing period, unless the Contracting Officer decides that recalculation is necessary because conditions are significantly different from those previously anticipated or (2) to the calculation of a lump-sum payment, which cannot later be revised.

"Government costs," as used in this clause, means those agency costs that result directly from developing and implementing the VECP, such as any net increases in the cost of testing, operations, maintenance, and logistics support. The term does not include the normal administrative costs of processing the VECP or any increase in this contract's cost or price resulting from negative instant contract savings.

"Instant contract," as used in this clause, means this contract, under which the VECP is submitted. It does not include increases in quantities after acceptance of the VECP that are due to contract modifications, exercise of options, or additional orders. If this is a multiyear contract, the term does not include quantities funded after VECP acceptance. If this contract is a fixed-price contract with prospective price redetermination, the term refers to the period for which firm prices have been established.

"Instant unit cost reduction" means the amount of the decrease in unit cost of performance (without deducting any Contractor's development or implementation costs) resulting from using the VECP on this, the instant contract. If this is a service contract, the instant unit cost reduction is normally equal to the number of hours per line-item task saved by using the VECP on this contract, multiplied by the appropriate contract labor rate.

"Negative instant contract savings" means the increase in the cost or price of this contract when the acceptance of a VECP results in an excess of the Contractor's allowable development and implementation costs over the product of the instant unit cost reduction multiplied by the number of instant contract units affected.

"Net acquisition savings" means total acquisition savings, including instant, concurrent, and future contract savings, less Government costs.

"Sharing base," as used in this clause, means the number of affected end items on contracts of the contracting office accepting the VECP.

Sharing period, as used in this clause, means the period beginning with acceptance of the first unit incorporating the VECP and ending at a calendar date or event determined by the contracting officer for each VECP.

"Unit," as used in this clause, means the item or task to which the Contracting Officer and the Contractor agree the VECP applies.

"Value engineering change proposal (VECP)" means a proposal that--

(1) Requires a change to this, the instant contract, to implement; and

(2) Results in reducing the overall projected cost to the agency without impairing essential functions or characteristics; provided, that it does not involve a change--

(i) In deliverable end item quantities only;

(ii) In research and development (R&D) end items or R&D test quantities that is due solely to results of previous testing under this contract; or

(iii) To the contract type only.

(c) VECP preparation. As a minimum, the Contractor shall include in each VECP the information described in subparagraphs (1) through (8) below. If the proposed change is affected by contractually required configuration management or similar procedures, the instructions in those procedures relating to format, identification, and priority assignment shall govern VECP preparation. The VECP shall include the following:

(1) A description of the difference between the existing contract requirement and the proposed requirement, the comparative advantages and disadvantages of each, a justification when an item's function or characteristics are being altered, the effect of the change on the end item's performance, and any pertinent objective test data.

(2) A list and analysis of the contract requirements that must be changed if the VECP is accepted, including any suggested specification revisions.

(3) Identification of the unit to which the VECP applies.

(4) A separate, detailed cost estimate for (i) the affected portions of the existing contract requirement and (ii) the VECP. The cost reduction associated with the VECP shall take into account the Contractor's allowable development and implementation costs, including any amount attributable to subcontracts under the Subcontracts paragraph of this clause, below.

(5) A description and estimate of costs the Government may incur in implementing the VECP, such as test and evaluation and operating and support costs.

(6) A prediction of any effects the proposed change would have on collateral costs to the agency.

(7) A statement of the time by which a contract modification accepting the VECP must be issued in order to achieve the maximum cost reduction, noting any effect on the contract completion time or delivery schedule.

(8) Identification of any previous submissions of the VECP, including the dates submitted, the agencies and contract numbers involved, and previous Government actions, if known.

(d) Submission. The Contractor shall submit VECP's to the Contracting Officer, unless this contract states otherwise. If this contract is administered by other than the contracting office, the Contractor shall submit a copy of the VECP simultaneously to the Contracting Officer and to the Administrative Contracting Officer.

(e) Government action. (1) The Contracting Officer will notify the Contractor of the status of the VECP within 45 calendar days after the contracting office receives it. If additional time is required, the Contracting Officer will notify the Contractor within the 45-day period and provide the reason for the delay and the expected date of the decision. The Government will process VECP's expeditiously; however, it shall not be liable for any delay in acting upon a VECP.

(2) If the VECP is not accepted, the Contracting Officer will notify the Contractor in writing, explaining the reasons for rejection. The Contractor may withdraw any VECP, in whole or in part, at any time before it is accepted by the Government. The Contracting Officer may require that the Contractor provide written notification before undertaking significant expenditures for VECP effort.

(3) Any VECP may be accepted, in whole or in part, by the Contracting Officer's award of a modification to this contract citing this clause and made either before or within a reasonable time after contract performance is completed. Until such a contract modification applies a VECP to this contract, the Contractor shall perform in accordance with the existing contract. The decision to accept or reject all or part of any VECP is a unilateral decision made solely at the discretion of the Contracting Officer.

(f) Sharing rates. If a VECP is accepted, the Contractor shall share in net acquisition savings according to the percentages shown in the table below. The percentage paid the Contractor depends upon (1) this contract's type (fixed-price, incentive, or cost-reimbursement), (2) the sharing arrangement specified in paragraph (a) above (incentive, program requirement, or a combination as delineated in the Schedule), and (3) the source of the savings (the instant contract, or concurrent and future contracts), as follows:

CONTRACTOR'S SHARE OF NET ACQUISITION SAVINGS

(Figures in percent)

Contract Type	Incentive (Voluntary)		Program Requirement (Mandatory)	
	Instant Contract Rate	Concurrent and Future Contract Rate	Instant Contract Rate	Concurrent and Future Contract Rate
Fixed-price (includes fixed-price-award-fee; excludes other fixed-price incentive contracts)	(1) 50	(1) 50	(1) 25	25
Incentive (fixed-price or cost)	(2)	(1) 50	(2)	25

(other than award fee) Cost- reimbursement (includes cost- plus-award-fee; excludes other cost-type incentive Contracts)	(3) 25	(3) 25	15	15
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- (1) The Contracting Officer may increase the Contractor's sharing rate to as high as 75 percent for each VECP.
- (2) Same sharing arrangement as the contract's profit or fee adjustment formula.
- (3) The Contracting Officer may increase the Contractor's sharing rate to as high as 50 percent for each VECP.

(g) Calculating net acquisition savings.

(1) Acquisition savings are realized when (i) the cost or price is reduced on the instant contract, (ii) reductions are negotiated in concurrent contracts, (iii) future contracts are awarded, or (iv) agreement is reached on a lump-sum payment for future contract savings (see subparagraph (i)(4) below). Net acquisition savings are first realized, and the Contractor shall be paid a share, when Government costs and any negative instant contract savings have been fully offset against acquisition savings.

(2) Except in incentive contracts, Government costs and any price or cost increases resulting from negative instant contract savings shall be offset against acquisition savings each time such savings are realized until they are fully offset. Then, the Contractor's share is calculated by multiplying net acquisition savings by the appropriate Contractor's percentage sharing rate (see paragraph (f) above). Additional Contractor shares of net acquisition savings shall be paid to the Contractor at the time realized.

(3) If this is an incentive contract, recovery of Government costs on the instant contract shall be deferred and offset against concurrent and future contract savings. The Contractor shall share through the contract incentive structure in savings on the instant contract items affected. Any negative instant contract savings shall be added to the target cost or to the target price and ceiling price, and the amount shall be offset against concurrent and future contract savings.

(4) If the Government does not receive and accept all items on which it paid the Contractor's share, the Contractor shall reimburse the Government for the proportionate share of these payments.

(h) Contract adjustment. The modification accepting the VECP (or a subsequent modification issued as soon as possible after any negotiations are completed) shall--

(1) Reduce the contract price or estimated cost by the amount of instant contract savings, unless this is an incentive contract;

(2) When the amount of instant contract savings is negative, increase the contract price, target price and ceiling price, target cost, or estimated cost by that amount;

(3) Specify the Contractor's dollar share per unit on future contracts, or provide the lump-sum payment;

(4) Specify the amount of any Government costs or negative instant contract savings to be offset in determining net acquisition savings realized from concurrent or future contract savings; and

(5) Provide the Contractor's share of any net acquisition savings under the instant contract in accordance with the following:

(i) Fixed-price contracts--add to contract price.

(ii) Cost-reimbursement contracts--add to contract fee.

(i) Concurrent and future contract savings.

(1) Payments of the Contractor's share of concurrent and future contract savings shall be made by a modification to the instant contract in accordance with subparagraph (h)(5) above. For incentive contracts, shares shall be added as a separate firm-fixed-price line item on the instant contract. The Contractor shall maintain records adequate to identify the first delivered unit for 3 years after final payment under this contract.

(2) The Contracting Officer shall calculate the Contractor's share of concurrent contract savings by (i) subtracting from the reduction in price negotiated on the concurrent contract any Government costs or negative instant contract savings not yet offset and (ii) multiplying the result by the Contractor's sharing rate.

(3) The Contracting Officer shall calculate the Contractor's share of future contract savings by (i) multiplying the future unit cost reduction by the number of future contract units scheduled for delivery during the sharing period, (ii) subtracting any Government costs or negative instant contract savings not yet offset, and (iii) multiplying the result by the Contractor's sharing rate.

(4) When the Government wishes and the Contractor agrees, the Contractor's share of future contract savings may be paid in a single lump sum rather than in a series of payments over time as future contracts are awarded. Under this alternate procedure, the future contract savings may be calculated when the VECP is accepted, on the basis of the Contracting Officer's forecast of the number of units that will be delivered during the sharing period. The Contractor's share shall be included in a modification to this contract (see subparagraph (h)(3) above) and shall not be subject to subsequent adjustment.

(5) Alternate no-cost settlement method. When, in accordance with subsection 48.104-4 of the Federal Acquisition Regulation, the Government and the Contractor mutually agree to use the no-cost settlement method, the following applies:

(i) The Contractor will keep all the savings on the instant contract and on its concurrent contracts only.

(ii) The Government will keep all the savings resulting from concurrent contracts placed on other sources, savings from all future contracts, and all collateral savings.

(j) Collateral savings. If a VECP is accepted, the Contracting Officer will increase the instant contract amount, as specified in paragraph (h)(5) of this clause, by a rate from 20 to 100 percent, as determined by the Contracting Officer, of any projected collateral savings determined to be realized in a typical year of use after subtracting any Government costs not previously offset. However, the Contractor's share of collateral savings will not exceed the contract's firm-fixed-price, target price, target cost, or estimated cost, at the time the VECP is accepted, or \$100,000, whichever is greater. The Contracting Officer will be the sole determiner of the amount of collateral savings.

(k) Relationship to other incentives. Only those benefits of an accepted VECP not rewardable under performance, design-to-cost (production unit cost, operating and support costs, reliability and maintainability), or similar incentives shall be rewarded under this clause. However, the targets of such incentives affected by the VECP shall not be adjusted because of VECP acceptance. If this contract specifies targets but provides no incentive to surpass them, the value engineering sharing shall apply only to the amount of achievement better than target.

(l) Subcontracts. The Contractor shall include an appropriate value engineering clause in any subcontract of \$100,000 or more and may include one in subcontracts of lesser value. In calculating any adjustment in this contract's price for instant contract savings (or negative instant contract savings), the Contractor's allowable development and implementation costs shall include any subcontractor's allowable development and implementation costs, and any value engineering incentive payments to a subcontractor, clearly resulting from a VECP accepted by the Government under this contract. The Contractor may choose any arrangement for subcontractor value engineering incentive payments; provided, that the payments shall not reduce the Government's share of concurrent or future contract savings or collateral savings.

(m) Data. The Contractor may restrict the Government's right to use any part of a VECP or the supporting data by marking the following legend on the affected parts:

"These data, furnished under the Value Engineering clause of contract, shall not be disclosed outside the Government or duplicated, used, or disclosed, in whole or in part, for any purpose other than to evaluate a value engineering change proposal submitted under the clause. This restriction does not limit the Government's right to use information contained in these data if it has been obtained or is otherwise available from the Contractor or from another source without limitations."

If a VECP is accepted, the Contractor hereby grants the Government unlimited rights in the VECP and supporting data, except that, with respect to data qualifying and submitted as limited rights technical data, the Government shall have the rights specified in the contract modification implementing the VECP and shall appropriately mark the data. (The terms "unlimited rights" and "limited rights" are defined in Part 27 of the Federal Acquisition Regulation.)

(End of clause)

52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es):

www.arnet.gov/far

www.acq.osd.mil/dp/dfars/dfars.html

CAR-I10 AUTHORIZED CHANGES ONLY BY THE CONTRACTING OFFICER (JUN 1996) (NSWCCD)

(a) Except as specified in paragraph (b) below, no order, statement, or conduct of Government personnel who visit the Contractor's facilities or in any other manner communicates with Contractor personnel during the performance of this contract shall constitute a change under the "Changes" clause of this contract.

(b) The Contractor shall not comply with any order, direction or request of Government personnel unless it is issued in writing and signed by the Contracting Officer, or is pursuant to specific authority otherwise included as a part of this contract.

(c) The Contracting Officer is the only person authorized to approve changes in any of the requirements of this contract and notwithstanding provisions contained elsewhere in this contract, the said authority remains solely the Contracting Officer's. In the event the contractor effects any change at the direction of any person other than the Contracting Officer, the change will be considered to have been made without authority and no adjustment will be made in the contract price to cover any increase in charges incurred as a result thereof. The address and telephone number of the Contracting Officer is:

NAME : ROBERT SIEGER, CODE 3351
ADDRESS : 5001 South Broad Street, Philadelphia, PA 19112-1403
TELEPHONE : 215-897-7055

SECTION J List of Documents, Exhibits and Other Attachments

The following attachments and exhibits form part of this solicitation:

Attachment (1): **Liquid Oxygen Production and Storage System Delivery Schedule** (1 page)

Attachment (2): **Liquid Oxygen Production and Storage System Performance Specification** (26 pages)

Contract Data Requirements Lists, DD Form 1423's

Exhibit A – 23 pages

Exhibit B – 8 pages

Exhibit C – 8 pages

Exhibit D – 5 pages

SECTION K Representations, Certifications and Other Statements of Offerors

CLAUSES INCORPORATED BY REFERENCE:

52.203-2	Certificate Of Independent Price Determination	APR 1985
52.203-11	Certification And Disclosure Regarding Payments To Influence Certain Federal Transactions	APR 1991
52.222-38	Compliance with Veterans' Employment Reporting Requirements	DEC 2001
252.209-7001	Disclosure of Ownership or Control by the Government of a Terrorist Country	MAR 1998
252.225-7003	Report of Intended Performance Outside the United States	APR 2003
252.225-7031	Secondary Arab Boycott Of Israel	APR 2003

CLAUSES INCORPORATED BY FULL TEXT

52.209-5 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, PROPOSED DEBARMENT, AND OTHER RESPONSIBILITY MATTERS (DEC 2001)

(a)(1) The Offeror certifies, to the best of its knowledge and belief, that--

(i) The Offeror and/or any of its Principals--

(A) Are () are not () presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency;

(B) Have () have not (), within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, or receiving stolen property; and

(C) Are () are not () presently indicted for, or otherwise criminally or civilly charged by a governmental entity with, commission of any of the offenses enumerated in subdivision (a)(1)(i)(B) of this provision.

(ii) The Offeror has () has not (), within a three-year period preceding this offer, had one or more contracts terminated for default by any Federal agency.

(2) "Principals," for the purposes of this certification, means officers; directors; owners; partners; and, persons having primary management or supervisory responsibilities within a business entity (e.g., general manager; plant manager; head of a subsidiary, division, or business segment, and similar positions).

THIS CERTIFICATION CONCERNS A MATTER WITHIN THE JURISDICTION OF AN AGENCY OF THE UNITED STATES AND THE MAKING OF A FALSE, FICTITIOUS, OR FRAUDULENT CERTIFICATION MAY RENDER THE MAKER SUBJECT TO PROSECUTION UNDER SECTION 1001, TITLE 18, UNITED STATES CODE.

(b) The Offeror shall provide immediate written notice to the Contracting Officer if, at any time prior to contract award, the Offeror learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

(c) A certification that any of the items in paragraph (a) of this provision exists will not necessarily result in withholding of an award under this solicitation. However, the certification will be considered in connection with a determination of the Offeror's responsibility. Failure of the Offeror to furnish a certification or provide such additional information as requested by the Contracting Officer may render the Offeror nonresponsible.

(d) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render, in good faith, the certification required by paragraph (a) of this provision. The knowledge and information of an Offeror is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

(e) The certification in paragraph (a) of this provision is a material representation of fact upon which reliance was placed when making award. If it is later determined that the Offeror knowingly rendered an erroneous certification, in addition to other remedies available to the Government, the Contracting Officer may terminate the contract resulting from this solicitation for default.

(End of provision)

52.211-3 AVAILABILITY OF SPECIFICATIONS NOT LISTED IN THE GSA INDEX OF FEDERAL SPECIFICATIONS, STANDARDS AND COMMERCIAL ITEM DESCRIPTIONS (JUN 1988)

Documents not listed in the GSA Index of Federal Specifications, Standards and Commercial Item Descriptions and instructions for obtaining these documents are contained in paragraph 2.3 of the Liquid Oxygen Production and Storage System Performance Specification.

The request should identify the solicitation number and the specification requested by date, title, and number, as cited in the solicitation.

(End of provision)

52.215-6 PLACE OF PERFORMANCE (OCT 1997)

(a) The offeror or respondent, in the performance of any contract resulting from this solicitation, () intends, () does not intend [check applicable block] to use one or more plants or facilities located at a different address from the address of the offeror or respondent as indicated in this proposal or response to request for information.

(b) If the offeror or respondent checks "intends" in paragraph (a) of this provision, it shall insert in the following spaces the required information:

**Place of Performance(Street Address, City, State,
County, Zip Code)**

**Name and Address of Owner and Operator of the
Plant or Facility if Other Than Offeror or
Respondent**

(End of provision)

52.219-1 SMALL BUSINESS PROGRAM REPRESENTATIONS (MAY 2004)

(a)(1) The North American Industry Classification System (NAICS) code for this acquisition is 541330.

(2) The small business size standard is 500.

(3) The small business size standard for a concern which submits an offer in its own name, other than on a construction or service contract, but which proposes to furnish a product which it did not itself manufacture, is 500 employees.

(b) Representations. (1) The offeror represents as part of its offer that it () is, () is not a small business concern.

(2) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, for general statistical purposes, that it () is, () is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a women-owned small business concern.

(4) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents as part of its offer that it () is, () is not a veteran-owned small business concern.

(5) (Complete only if the offeror represented itself as a veteran-owned small business concern in paragraph (b)(4) of this provision.) The offeror represents as part of its offer that it () is, () is not a service-disabled veteran-owned small business concern.

(6) (Complete only if the offeror represented itself as a small business concern in paragraph (b)(1) of this provision.) The offeror represents, as part of its offer, that--

(i) It () is, () is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and

(ii) It () is, () is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate for the HUBZone small business concern or concerns that are participating in the joint venture. (The offeror shall enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _____.) Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

(c) Definitions. As used in this provision--

Service-disabled veteran-owned small business concern--

(1) Means a small business concern--

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a service-disabled veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(2) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

"Small business concern," means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and the size standard in paragraph (a) of this provision.

Veteran-owned small business concern means a small business concern--

(1) Not less than 51 percent of which is owned by one or more veterans (as defined at 38 U.S.C. 101(2)) or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(2) The management and daily business operations of which are controlled by one or more veterans.

"Women-owned small business concern," means a small business concern --

(1) That is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(2) Whose management and daily business operations are controlled by one or more women.

(d) Notice.

(1) If this solicitation is for supplies and has been set aside, in whole or in part, for small business concerns, then the clause in this solicitation providing notice of the set-aside contains restrictions on the source of the end items to be furnished.

(2) Under 15 U.S.C. 645(d), any person who misrepresents a firm's status as a small, HUBZone small, small disadvantaged, or women-owned small business concern in order to obtain a contract to be awarded under the preference programs established pursuant to section 8(a), 8(d), 9, or 15 of the Small Business Act or any other provision of Federal law that specifically references section 8(d) for a definition of program eligibility, shall--

(i) Be punished by imposition of fine, imprisonment, or both;

(ii) Be subject to administrative remedies, including suspension and debarment; and

(iii) Be ineligible for participation in programs conducted under the authority of the Act.

(End of provision)

52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE REPORTS (FEB 1999)

The offeror represents that --

(a) It has, has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation;

(b) It has, has not, filed all required compliance reports; and

(c) Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

(End of provision)

52.222-25 AFFIRMATIVE ACTION COMPLIANCE (APR 1984)

The offeror represents that

(a) it has developed and has on file, has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or

(b) has not previously had contracts subject to the written affirmative action programs requirement of the rules

and regulations of the Secretary of Labor.

(End of provision)

52.223-13 CERTIFICATION OF TOXIC CHEMICAL RELEASE REPORTING (AUG 2003)

(a) Executive Order 13148, of April 21, 2000, Greening the Government through Leadership in Environmental Management, requires submission of this certification as a prerequisite for contract award.

(b) By signing this offer, the offeror certifies that--

(1) As the owner or operator of facilities that will be used in the performance of this contract that are subject to the filing and reporting requirements described in section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11023) and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106), the offeror will file and continue to file for such facilities for the life of the contract the Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of EPCRA and section 6607 of PPA; or

(2) None of its owned or operated facilities to be used in the performance of this contract is subject to the Form R filing and reporting requirements because each such facility is exempt for at least one of the following reasons: (Check each block that is applicable.)

(i) The facility does not manufacture, process, or otherwise use any toxic chemicals listed in 40 CFR 372.65;

(ii) The facility does not have 10 or more full-time employees as specified in section 313.(b)(1)(A) of EPCRA 42 U.S.C. 11023(b)(1)(A);

(iii) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

(iv) The facility does not fall within the following Standard Industrial Classification (SIC) codes or their corresponding North American Industry Classification System sectors:

(A) Major group code 10 (except 1011, 1081, and 1094.

(B) Major group code 12 (except 1241).

(C) Major group codes 20 through 39.

(D) Industry code 4911, 4931, or 4939 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce).

(E) Industry code 4953 (limited to facilities regulated under the Resource Conservation and Recovery Act, Subtitle C (42 U.S.C. 6921, et seq.), 5169, 5171, or 7389 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis); or

(v) The facility is not located in the United States or its outlying areas.

252.225-7000 BUY AMERICAN ACT--BALANCE OF PAYMENTS PROGRAM CERTIFICATE (APR 2003)

(a) Definitions. Domestic end product, foreign end product, qualifying country, and qualifying country end product have the meanings given in the Buy American Act and Balance of Payments Program clause of this solicitation.

(b) Evaluation. The Government--

(1) Will evaluate offers in accordance with the policies and procedures of Part 225 of the Defense Federal Acquisition Regulation Supplement; and

(2) Will evaluate offers of qualifying country end products without regard to the restrictions of the Buy American Act or the Balance of Payments Program.

(c) Certifications and identification of country of origin.

(1) For all line items subject to the Buy American Act and Balance of Payments Program clause of this solicitation, the offeror certifies that--

(i) Each end product, except those listed in paragraph (c)(2) or (3) of this provision, is a domestic end product; and

(ii) Components of unknown origin are considered to have been mined, produced, or manufactured outside the United States or a qualifying country.

(2) The offeror certifies that the following end products are qualifying country end products:

(Line Item Number Country of Origin)

(Country of Origin)

(3) The following end products are other foreign end products:

(Line Item Number)

(Country of Origin) (If known)

(End of provision)

252.247-7022 REPRESENTATION OF EXTENT OF TRANSPORTATION BY SEA (AUG 1992)

(a) The Offeror shall indicate by checking the appropriate blank in paragraph (b) of this provision whether transportation of supplies by sea is anticipated under the resultant contract. The term supplies is defined in the Transportation of Supplies by Sea clause of this solicitation.

(b) Representation. The Offeror represents that it:

___ (1) Does anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

___ (2) Does not anticipate that supplies will be transported by sea in the performance of any contract or subcontract resulting from this solicitation.

(c) Any contract resulting from this solicitation will include the Transportation of Supplies by Sea clause. If the Offeror represents that it will not use ocean transportation, the resulting contract will also include the Defense FAR Supplement clause at 252.247-7024, Notification of Transportation of Supplies by Sea.

(End of provision)

CAR-K01 ELECTRONIC DISTRIBUTION OF CONTRACT DOCUMENTS (NOV 2000)

(a) The Navy Air Force Interface (NAFI) provides World Wide Web access to documents used to support the procurement, contract administration, bill paying, and accounting processes. NAFI is being used by the Naval Surface Warfare Center, Carderock Division to electronically distribute all contract award and contract modification documents, including task and delivery orders. The contractor's copy will be provided in portable document format (pdf) as an attachment to an e-mail that will be sent to the contractor by the NAFI system. A pdf file may be accessed using Adobe Acrobat Reader which is a free software that may be downloaded at <http://www.adobe.com/products/acrobat/readstep.html>.

(b) Offerors must provide the following information that will be used to make electronic distribution for any resultant contract.

Name of Point of Contact _____

Phone Number for Point of Contact _____

E-mail Address for Receipt of Electronic Distribution _____

SECTION L Instructions, Conditions and Notices to Bidders

CLAUSES INCORPORATED BY REFERENCE:

52.215-1	Instructions to Offerors--Competitive Acquisition	JAN 2004
252.227-7017	Identification and Assertion of Use, Release, or Disclosure Restrictions	JUN 1995

CLAUSES INCORPORATED BY FULL TEXT

52.211-14 NOTICE OF PRIORITY RATING FOR NATIONAL DEFENSE USE (SEP 1990)

Any contract awarded as a result of this solicitation will be DO rated order certified for national defense use under the Defense Priorities and Allocations System (DPAS) (15 CFR 700), and the Contractor will be required to follow all of the requirements of this regulation.

(End of provision)

52.216-1 TYPE OF CONTRACT (APR 1984)

The Government contemplates award of a Firm Fixed Price contract resulting from this solicitation.

(End of clause)

52.233-2 SERVICE OF PROTEST (AUG 1996)

- (a) Protests, as defined in section 33.101 of the Federal Acquisition Regulation, that are filed directly with an agency, and copies of any protests that are filed with the General Accounting Office (GAO), shall be served on the Contracting Officer (addressed as follows) by obtaining written and dated acknowledgment of receipt from
- Naval Warfare Surface Center
Carderock Division
ATTN: Robert Sieger, Code 3351
5001 South Broad Street
Philadelphia, PA 19112-1403

(b) The copy of any protest shall be received in the office designated above within one day of filing a protest with the GAO.

(End of provision)

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

www.arnet.gov/far

www.acq.osd.mil/dp/dfars/dfars.html

CAR-L02 SINGLE AWARD FOR ALL ITEMS (JUN 1996) (NSWCCD)

Due to the interrelationship of supplies and/or services to be provided hereunder, the Government reserves the right to make a single award to the offeror whose offer is considered in the best interest of the Government, price and other factors considered. Therefore, offerors proposing less than the entire effort specified herein may be determined to be unacceptable.

CAR-L11 PROPOSAL PREPARATION REQUIREMENT (JUL 2002) (NSWCCD)

It is requested that offerors prepare their proposals in accordance with the following organization, content and format requirements to assist the government in making a complete and thorough evaluation of all proposals. Proposals shall be submitted as three separate documents, as follows:

Documents	Original	Copies
Solicitation, Offer and Award Document (SF-33)	1	1
Technical Proposal	1	5

The "originals" shall be clearly identified as the "ORIGINAL", and bear the original signature(s) of the offeror. The "copies" shall be complete and clearly identified as "COPY" or "DUPLICATE".

(1) SOLICITATION, OFFER AND AWARD DOCUMENTS (SF-33 RFP)

This document, which may be used as part of the contract award document, shall be fully executed and returned as a separate document from the technical proposal. Special attention should be taken to accurately enter the prices required in Section B, complete all Representations and Certifications in Section K and ensure that an authorized person signs the offer in Block 17 of Page 1.

The document SHALL NOT be embellished with any cover or binding. If the offeror makes any qualifications to any provisions in the RFP, all such qualifications shall be listed in a cover letter to the proposal. Qualifications may also be annotated on the Solicitation, Offer and Award document, if such annotation is necessary to clarify the qualifications.

(2) TECHNICAL PROPOSAL

The technical proposal should be written so that management and engineering oriented personnel can make a thorough evaluation and arrive at a sound determination as to whether the proposal meets the requirements of this solicitation. To this end, the technical proposal shall be so specific, detailed and complete as to clearly and fully demonstrate that the prospective contractor has a thorough understanding of the technical requirements contained in Section C of this solicitation.

Statements such as "the offeror understands," "will comply with the statement of work," "standard procedures will be employed," "well known techniques will be used" and general paraphrasing of the statement of work are considered inadequate. The technical proposal must provide details concerning what the contractor will do and how it will be done. This includes a full explanation of the techniques, disciplines, and procedures proposed to be followed.

The technical proposal shall not contain any reference to costs or price; however, information concerning labor allocation and categories, materials, equipment and any information of interest to technical reviewers shall be contained in the technical proposal in sufficient detail so that the offeror's understanding of the scope of the work

may be adequately evaluated. The technical proposal shall be page numbered, contain a table of contents, be organized in the following five (5) sections, and shall address in detail the following information:

SECTION 1 - INTRODUCTION (Maximum length: 5 pages.)

This section shall provide any necessary background information and an overview of the proposal which the offeror believes will assist in the understanding and accurate evaluation of the proposal.

SECTION 2 - TECHNICAL APPROACH (Maximum length: 50 pages)

1. System Design and Performance

The offeror shall provide detailed information on its proposed approach to meet or exceed the technical requirements for the Liquid Oxygen Production and Storage System as set forth in the Procurement Specification. This shall include preliminary drawings or sketches of the system design, and include electrical and flow schematics. Design details and maturity of design information shall also be provided for major components, such as the Generator, Liquefier, Storage Tank, Compressor, and TurboExpander (TBX). Information shall include examples where these components have been or are being used in similar applications, and a history of these components in such applications and their reaction to the environment shall be provided.

2. Test and Evaluation

The offeror shall furnish a proposed test and evaluation plan for the Liquid Oxygen Production and Storage System

3. Reliability, Maintainability and Safety

The offeror shall provide information detailing the reliability, maintenance, and safety requirements for the Liquid Oxygen Production and Storage System. This information may be based on actual experience or theoretical data provided in the proposal. Reliability data including mean time between failure (MTBF of not less than 10,000 hours will be met) or field parts repair rates, meantime to repair (MTTR), mean time to restart after maintenance, and mean time for scheduled maintenance will be evaluated. This discussion shall include details of scheduled maintenance/overhaul, the degree of difficulty of repairing major significant components, and potential unscheduled maintenance, as well as the steps proposed to minimize these maintenances. The details shall include projected times, required manpower and tools and mean time for scheduled maintenance. The offeror shall detail the lubricants and coolants needed to operate the unit. Data for minor sub-components that are not critical to safety and operation are not required. Offerors who do not have actual experience data may substitute a Reliability Prediction to estimate a MTBF. The offeror shall use, as a guide, the Parts Stress Analysis Method of MIL-STD-756B or equivalent.

4. Logistics

The offeror shall discuss how the Technical Manuals will be prepared and delivered in accordance to the solicitation requirements. The offeror shall provide, as a minimum, an outline of the contents of each manual, and the intended manual development process. The offeror shall furnish information of their Training Plan, including details of scheduling, training personnel qualifications, training products, and trainee evaluation methods to meet the training requirements of the solicitation. The offeror shall provide information to demonstrate their understanding of the requirement to ensure proper provisioning (i.e. spare/maintenance parts) for the Liquid Oxygen Production and Storage System.

SECTION 3- CORPORATE EXPERIENCE (Maximum 10 pages)

The offeror will provide information on their experience with the design, manufacturing, and testing of Liquid Oxygen Production and Storage Systems or similar items. In addition, the offeror shall provide information on its manufacturing, production, technical equipment, facilities and other resources or the ability to obtain them for use in performance.

The information shall contain, as a minimum, a discussion of the following:

- Fabrication Equipment
- Assembly Equipment
- Quality Assurance Equipment
- Assembly Line Layout
- Material flow system layout (to include material receiving areas, material receiving inspection, storage areas, pre-assembly component layout and handling equipment, details of maintaining equipment or approach to fixtures.

The offeror shall also provide information that it possesses the required procedures and personnel to meet the specification welding and brazing requirements.

The offeror shall submit information on its existing inspection or quality system that clearly describes the methods and controls employed during design, material purchasing, production, assembly, testing, and/or inspection. If the offeror possesses an inspection system that meets quality requirements of a certified quality system such as ISO 9001, ISO 9002, ASI, ASQC, etc., appropriate documentation shall be furnished as part of the technical proposal under this factor.

SECTION 4 - PAST PERFORMANCE

In this factor, the Navy intends to review the Contractor Performance Assessment Reporting System (CPARS) ratings of an offeror's performance of relevant contracts. In the event the Navy cannot obtain adequate CPARS rating information regarding a particular offeror, the Navy may review other relevant past performance information from sources other than those identified by the offeror. General trends in contractor's performance will be considered. If the offerors intends to use subcontractors, their past performance shall also be evaluated.

Each offeror is provided the opportunity to provide in its proposal any information regarding its past performance of contracts similar to the Navy's requirement that it would like the Navy to consider. Such information may be in the nature of additional information, which the Navy has readily available, or which has already been rated under the CPARS system, or which explains substandard performance and the corrective action taken to prevent a recurrence. The Navy reserves the right to verify statements and representations made in an offeror's proposal.

To assist the Navy in performing the past performance evaluation defined above, the offeror shall provide a synopsis of at least three previous contracts which involved similar or related work performed (or currently performing) in the last three years. The offeror may identify Federal, State, and local government and private contracts that are similar to the products covered by this solicitation for ongoing contracts or contracts completed in the past three years.

The contractor shall provide the following information for each such contract:

1. Contract Number
2. Customer/Agency
3. Contracting Officer and Technical Point of Contact (names and current phone numbers)
4. Brief Description of Scope of Work
5. Contract Type
6. Award Price
7. Total Labor-Hours of Effort
8. Period of Performance
9. Contract Deliverables

For each contract, the offeror shall provide a contract summary (a description overview of the contract not exceeding one-half page), and a performance summary (on schedule, on cost).

Incomplete data may not be considered.

SECTION 5 - SUBCONTRACTING

Under this factor, offerors shall provide information demonstrating their past performance in complying with the requirements of FAR Clause 52.219-8, entitled "Utilization of Small Business Concerns." This clause requires a contractor to provide maximum practicable subcontracting opportunities to small business, veteran-owned small business, service-disabled veteran-owned small business, HUBZone small business, small disadvantaged business and women-owned small business concerns.

SECTION M Evaluation Factors for Award

CLAUSES INCORPORATED BY REFERENCE:

52.217-5 Evaluation Of Options

JUL 1990

CLAUSES INCORPORATED BY FULL TEXT

CAR-M02 AGENCY SPECIFIC PROVISION - EVALUATION OF PROPOSALS (OCT 2003) (NSWCCD)

- (A) **General.** Careful, full and impartial consideration will be given to all offers received pursuant to this solicitation, and the evaluation will be applied in a similar manner. Factors against which offers will be evaluated (e.g., Technical Approach, Corporate Experience) are set forth below and parallel the solicitation response called for elsewhere herein.
- (B) **Initial Evaluation of Offers.** An evaluation plan has been established to evaluate offers pursuant to the factors set forth in (G) below and all offers received will be evaluated by a team of Government personnel in accordance with the plan. All evaluation factors other than price, when combined, are more important than price.
- (C) **Evaluation Approach.** The following evaluation approach will be used:
Technical Proposal. The evaluators will prepare a narrative description and assign a point score for each technical evaluation factor. All evaluation factors other than cost or price will be combined into a merit rating of either Outstanding, Good, Acceptable, Marginal or Unsatisfactory.
- a. Technical Approach
- System Design and Performance
The contractor design approach will be evaluated to determine the technical excellence of the proposed design in meeting or exceeding the specification requirements. A proven design will receive greater weight than an unproven design. Design risk will be a significant consideration in this factor.
- Test and Evaluation
The plan for the system will be evaluated to determine the contractor's understanding of and approach to successful performance of the Verification Tests (i.e. first article, pre-production tests, production tests, and QA provisions) as specified in Section C of the solicitation. Risk will be assessed in this determination.
- Reliability, Maintainability and Safety
Documented actual experience will be rated higher than theoretical calculations. The supporting data sources and assumptions used by offerors shall be assessed. The Government reserves the right to modify or reject unsubstantiated reliability data.
- Logistics
This information shall be evaluated to ascertain the extent of the contractor's capability to meet or exceed the solicitation requirements concerning the Technical Manual and Training, proper provisioning (i.e. spare/maintenance parts) and any potential performance uncertainties or risk.
- b. Corporate Experience

In this factor, an assessment will be made of the offeror's experience with the production or manufacture of similar systems and the offeror's equipment, facilities and other resources to determine their capability to successfully perform under any resulting contract. The adequacy of the contractor's existing inspection or quality system will also be analyzed. Greater weight will be assigned based on the extent of an offeror's experience, the similarity of other systems produced or manufactured. More weight will be given to more recent experience. The suitability of the offeror's physical resources, will be examined, as well as a contractor's existing inspection or quality system. Greater weight will be assigned to offerors who possess an inspection or quality system that complies with a higher-level quality standard.

c. Past Performance

Offerors' ratings in this factor will be based on the relevance of the prior performance as well as compliance with contract requirements and the level of customer satisfaction. Offerors who do not possess a past performance record will receive a neutral rating in this factor and their overall score will be adjusted accordingly.

d. Subcontracting

The offeror's performance in providing subcontracting opportunities will be evaluated to demonstrate their past performance compliance with FAR Clause 52.219-8, entitled "Utilization of Small Business Concerns."

(D) Competitive Acquisition Instructions.

- (1) If the provision FAR 52.215-1, "Instructions To Offerors--Competitive Acquisition" is included in Section L of this solicitation, the Government intends to evaluate proposals and award a contract without discussions with offerors (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from a price and technical standpoint. However, the Government reserves the right to conduct discussions if the Contracting Officer later determines them to be necessary.
- (2) If the provision at FAR 52.215-1 is used with its Alternate I, the Government intends to evaluate proposals and award a contract after conducting discussions with offerors whose proposals have been determined to be in the competitive range.
- (3) In either of the above two situations, if the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.

(E) Discussion/Final Proposal Revisions. The Contracting Officer shall indicate to, or discuss with, each offeror still being considered for award, significant weaknesses, deficiencies, and other aspects of its proposal (such as price, and terms and conditions) that could, in the opinion of the Contracting Officer, be altered or explained to enhance materially the proposal's potential for award. The scope and extent of discussions are a matter of Contracting Officer judgment. At the conclusion of discussions, each offeror still in the competitive range shall be given an opportunity to submit a final proposal revision. A final cut-off date for receipt of final proposal revisions will be established by the Contracting Officer.

(F) Basis for Contract Award. The basis for award of a contract(s) as a result of this solicitation will be an integrated assessment by the Contracting Officer of the results of the evaluation based on the evaluation factors and their importance as indicated below. The integrated assessment may include consideration of the strengths and weaknesses of the proposals, and, if deemed necessary by the Contracting Officer, consideration of various types of mathematical models comparing technical points and price. Ultimately, the source selection decision will take into account the offeror's capability to meet the requirements of this solicitation on a timely and cost effective basis. The Government reserves such right of flexibility in conducting the evaluation as is necessary to assure placement of a contract in the Government's best interest. Accordingly, the Government may award

any resulting contract to other than the lowest priced offeror, or other than the offeror with the highest technical rating.

- (1) The contract resulting from this solicitation will be awarded to that responsible offeror whose offer, conforming to the solicitation, is determined most advantageous to the Government, price and other factors considered.
- (2) All evaluation factors other than cost or price, when combined are more important than price.

(G) **Evaluation Factors.** The relative weight of the evaluation factors are as follows:

Technical Approach is significantly more important than Corporate Experience.
Corporate Experience is equal to Past Performance and Subcontracting when combined.
Past Performance is more important than Subcontracting.