REQUEST FOR QUOTATION
(THIS IS NOT AN ORDER)

THIS RFQ [ ] IS [X] IS NOT A SMALL BUSINESS SET-ASIDE

1. REQUEST NO.	2. DATE ISSUED	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
N65540-04-Q-0004	03 NOV 18	33530 32465008		

5a. ISSUED BY
CONTRACTING OFFICER
NSWC CARDEROCK DIVISION

6. DELIVER BY *(Date)*
04 JAN 06

7. DELIVERY
[X] FOB DESTINATION [ ] OTHER *(See Schedule)*

5b. FOR INFORMATION CALL *(NO COLLECT CALLS)*

NAME	TELEPHONE NUMBER AREA CODE	NUMBER
5001 S. BROAD STREET, CODE 335 PHILADELPHIA, PA 19112-1403 ELIZABETH RAINEY	215 FAX: 215	897-7061 897-7059

9. DESTINATION N65540
a. NAME OF CONSIGNEE
NAVAL BUSINESS CENTER
RECEIVING OFFICER,FISC,
NSWC CARDEROCK DIVISION
b. STREET ADDRESS
1601 LANGLEY AVENUE BLDG 542 E
c. CITY
PHILA.
d. STATE PA
e. ZIP CODE 19112-5051

8. TO:
a. NAME
b. COMPANY
c. STREET ADDRESS
d. CITY
e. STATE
f. ZIP CODE

10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE CLOSE OF BUSINESS *(Date)* 03 NOV 28

IMPORTANT: This is a request for information and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter.

11. SCHEDULE *(Include applicable Federal, State and local taxes)*

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
0001	REQN. NO. 33530 /32465008 ITEM NAME: STROKE: 49-1/2 +/- 1/16 INCHES ROD DIAMETER: 3.5 INCHES BORE/ PISTON NOMINAL: 5.5 INCHES SEALS STATIC: O-RING. SEE DETAILED SPECIFICATIONS. NOTE: THIS IS AN OPTION PURCHASE ORDER. THIS ITEM IS EXPECTED NLT 45 DAYS AFTER AWARD OF PURCHASE ORDER	2	EA		
0002	REQN. NO. 33530 /32465020 ITEM NAME: OPTION QUANTITY FOR TWO (SEE ITEM 0001). NOTE OPTION ITEM MAY NOT BE EXERCISE UNTIL FISCAL YEAR 05 WITH DELIVERY NO LATER THAN 45 DAYS AFTER EXERCISING OPTION.	1	LT		
0003	REQN. NO. 33530 /32465024 ITEM NAME: STROKE: 42-1/2 +/- 1/16 INCHES ROD DIAMETER: 3.5 INCHES BORE/ PISTON NOMINAL: 6 INCHES SEALS STATIC: O-RING. EXPECTED DELIVERY OF THIS ITEM IS NO LATER THAN 45 DAYS AFTER AWARD OF THIS PURCHASE ORDER WITH OPTIONS.	2	EA		
0004	REQN. NO. 33530 /32465031 ITEM NAME: OPTION QUANTITY FOR	1	LT		

12. DISCOUNT FOR PROMPT PAYMENT

a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d. CALENDAR DAYS NUMBER	PERCENTAGE

NOTE: Additional provisions and representations [ ] are [ ] are not attached

13. NAME AND ADDRESS OF QUOTER
a. NAME OF QUOTER
b. STREET ADDRESS
c. COUNTY
d. CITY
e. STATE
f. ZIP CODE

14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION

15. DATE OF QUOTATION

16. SIGNER
a. NAME *(Type or print)*
b. TELEPHONE AREA CODE NUMBER
c. TITLE *(Type or print)*

VENDOR:

SECTION B SUPPLIES/SERVICES

ITEM	SUPPLIES/SERVICES	QUANTITY	UI	U-PRICE	AMOUNT
	TWO (SEE ITEM 0003). THIS OPTION MAY NOT BE EXERCISED UNTIL FISCAL YEAR 05 WITH A EXPECTED DELIVERY OF NO LATER THAN 45 DAYS AFTER EXERCISING OF THE OPTION ALL QUOTES WILL BE FIRM-FIXED PRICED.				

VENDOR:

SECTION F TIME OF DELIVERY

DELIVERIES SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS

ITEM	QUANTITY	DELIVERY REQUIRED
0001	2 EA	
0002	1 LT	
0003	2 EA	
0004	1 LT	

52.217-5 EVALUATION OF OPTIONS JUL 1990

52.217-7 OPTION FOR INCREASED QUANTITY - SEPARATELY PRICED LINE ITEMS 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 30 DAYS ..... DELIVERY OF ADDED ITEMS SHALL CONTINUE AT THE SAME RATE THAT LIKE ITEMS ARE CALLED FOR UNDER THE CONTRACT, UNLESS THE PARTIES OTHERWISE AGREE.

52.217-8 OPTION TO EXTEND SERVICES AUG 1989

THE GOVERNMENT MAY REQUIRE CONTINUED PERFORMANCE OF ANY SERVICES WITHIN THE LIMITS AND AT THE RATES SPECIFIED IN THE CONTRACT. THESE RATES MAY BE ADJUSTED ONLY AS A RESULT OF REVISIONS TO PREVAILING LABOR RATES PROVIDED BY THE SECRETARY OF LABOR. THE OPTION PROVISION MAY BE EXERCISED MORE THAN ONCE, BUT THE TOTAL EXTENSION OF PERFORMANCE HEREUNDER SHALL NOT EXCEED 6 MONTHS. THE CONTRACTING OFFICER MAY EXERCISE THE OPTION BY WRITTEN NOTICE TO THE CONTRACTOR WITHIN THE PERIOD SPECIFIED IN THE SCHEDULE.

52.213-4 Terms and Conditions--Simplified Acquisitions (Other Than Commercial Items) (OCT 2003)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) and Defense Federal Acquisition Regulation Supplement (DFARS) clauses that are incorporated by reference:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-3, Convict Labor (June 2003) (E.O. 11755).

(ii) 52.222-21, Prohibition of Segregated Facilities (Feb 1999) (E.O. 11246).

(iii) 52.222-26, Equal Opportunity (Apr 2002) (E.O. 11246).

(iv) 52.225-13, Restrictions on Certain Foreign Purchases (Oct 2003) (E.o.s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

(v) 52.233-3, Protest After Award (Aug 1996) (31 U.S.C. 3553).

(2) Listed below are additional clauses that apply:

(i) 252.204-7003, Control of Government Personnel Work Product (Apr 1992)

VENDOR:

(ii) 52.232-1, Payments (Apr 1984).
(iii) 52.232-11, Extras (Apr 1984).
(iv) 52.233-1, Disputes (Jul 2002).
(v) 252.243-7001 Pricing of Contract Modifications (Dec 1991)
(vi) 52.244-6, Subcontracts for Commercial Items (Apr 2003).
(vii) 52.253-1, Computer Generated Forms (Jan 1991).

(b) The Contractor shall comply with the following FAR and DFARS clauses, incorporated by reference, unless the circumstances do not apply:

(1) The clauses listed below implement provisions of law or Executive order:

(i) 52.222-19, Child Labor--Cooperation with Authorities and Remedies (Sept 2002) (E.O. 13126). (Applies to contracts for supplies exceeding the micro-purchase threshold.)
(ii) 52.222-20, Walsh-Healey Public Contracts Act (Dec 1996) (41 U.S.C. 35-45) (Applies to supply contracts over $10,000 in the United States, Puerto Rico, or the U.S. Virgin Islands).
(iii) 52.222-35, Equal Opportunity for Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212) (Applies to contracts of $25,000 or more).
(iv) 52.222-36, Affirmative Action for Workers with Disabilities (June 1998) (29 U.S.C. 793). (Applies to contracts over $10,000, unless the work is to be performed outside the United States by employees recruited outside the United States.) (For purposes of this clause, United States includes the 50 States, the District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, and Wake Island.)
(v) 52.222-37, Employment Reports on Special Disabled Veterans, Veterans of the Vietnam Era, and Other Eligible Veterans (Dec 2001) (38 U.S.C. 4212) (Applies to contracts of $25,000 or more).
(vi) 52.222-41, Service Contract Act of 1965, As Amended (May 1989) (41 U.S.C. 351, et seq.) (Applies to service contracts over $2,500 that are subject to the Service Contract Act and will be performed in the United States, District of Columbia, Puerto Rico, the Northern Mariana Islands, American Samoa, Guam, the U.S. Virgin Islands, Johnston Island, Wake Island, or the outer continental shelf lands).
(vii) 52.223-5, Pollution Prevention and Right-to-Know Information (Aug 2003) (E.O. 13148) (Applies to services performed on Federal facilities).
(viii) 252.225-7001, Buy American Act and Balance of Payments Program (Apr 2003) (Applies to all contracts for supplies unless an exception is authorized by DFARS 225.1101(2)(i) through (iv).
(ix) 252.225-7013, Duty-Free Entry (Apr 2003) (Applies to all contracts for supplies except for those supplies that will not enter the customs territory of the United States).
(x) 52.232-33, Payment by Electronic Funds Transfer--Central Contractor Registration (Oct 2003). (Applies when the payment will be made by electronic funds transfer (EFT) and the payment office uses the Central Contractor Registration (CCR) database as its source of EFT information.)
(xi) 52.232-34, Payment by Electronic Funds Transfer--Other than Central Contractor Registration (May 1999). (Applies when the payment will be made by EFT and the payment office does not use the CCR database as its source of EFT information.)

VENDOR:

(xii) 252.247-7023, Transportation of Supplies by Sea (May 2002) Alternate III (May 2002) (Applies when transporting any supplies by sea under this contract.)

(2) Listed below are additional clauses that may apply:

(i) 252.204-7004, Required Central Contractor Registration (Nov 2001) (Applies to all contracts unless an exception is authorized by DFARS 204.7302.)

(ii) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (July 1995) (Applies to contracts over $25,000).

(iii) 52.211-5 Material Requirements (Aug 2000) (Applies to contracts for supplies that are not commercial items).

(iv) 52.211-17, Delivery of Excess Quantities (Sept 1989) (Applies to fixed-price supplies).

(v) 252.225-7002, Qualifying Country Sources as Subcontractors (Apr 2003) (Applies if the contract is subject to the DFARS clause 252.225-7001, Buy American Act and Balance of Payments Program (see (b)(1)(viii) above)).

(vi) 52.243-1, Changes--Fixed Price (Aug 1987) (Applies to fixed-price contracts for supplies).

(vii) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate I (Apr 1984) (Applies to fixed price contracts for services, other than architect-engineer or other professional services, and no supplies are to be furnished).

(viii) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate II (Apr 1984) (Applies to fixed price contracts for services (other than architect-engineer services, transportation, or research and development) and supplies are to be furnished).

(ix) 52.243-1, Changes--Fixed Price (Aug 1987) Alternate V (Apr 1984) (Applies to fixed price contracts for research and development).

(x) 52.247-29, F.o.b. Origin (Jun 1988) (Applies to supplies if delivery is f.o.b. origin).

(xi) 52.247-34, F.o.b. Destination (Nov 1991) (Applies to supplies if delivery is f.o.b. destination).

(xii) 52.222-42, Statement of Equivalent Rates for Federal Hires (May 1989) (Applies if the contract amount is expected to be over $2,500 and the contract is subject to the clause 52.222-41, "Service Contract Act of 1965, As Amended" (see (b)(1)(vi) above)).

In compliance with the Service Contract Act of 1965, as amended, and the regulations of the Secretary of Labor (29 CFR Part 4), this clause identifies the classes of service employees expected to be employed under the contract and states the wages and fringe benefits payable to each if they were employed by the contracting agency subject to the provisions of 5 U.S.C. 5341 or 5332.

This Statement is for Information Only:

It is not a Wage Determination

Employee Class	Monetary Wage--Fringe Benefits

(xiv) 52.246-11 Higher-Level Contract Quality Requirement (Feb 1999) (Applies to contracts when the contracting

VENDOR:

officer finds it is in the Governments interest to require that higher-level quality standards be maintained and such standards are selected and identified in the clause).

The Contractor shall comply with the higher-level quality standard selected below. [If more than one standard is listed, the offeror shall indicate its selection by checking the appropriate block.]

	Title	Number	Date	Tailoring
*				
*				
*				
*				

[Contracting Officer insert the title, number (if any), date, and tailoring (if any) of the higher-level quality standards.]

(c) FAR 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):

FAR clauses - http://www.arnet.gov/far/
DFARS clauses - http://www.acq.osd.mil/dp/dars/dfars.html

(d) Inspection/Acceptance. The Contractor shall tender for acceptance only those items that conform to the requirements of this contract. The Government reserves the right to inspect or test any supplies or services that have been tendered for acceptance. The Government may require repair or replacement of nonconforming supplies or reperformance of nonconforming services at no increase in contract price. The Government must exercise its postacceptance rights--

(1) Within a reasonable period of time after the defect was discovered or should have been discovered; and

(2) Before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

(e) Excusable delays. The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence, such as acts of God or the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify the Contracting Officer in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to the Contracting Officer of the cessation of such occurrence.

(f) Termination for the Government's convenience. The Government reserves the right to terminate this contract, or any part hereof, for its sole convenience. In the event of such termination, the Contractor shall immediately stop all work hereunder and shall immediately cause any and all of its suppliers and subcontractors to cease work. Subject to the terms of this contract, the Contractor shall be paid a percentage of the contract price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to the satisfaction of the Govern-

ment, using its standard record keeping system, have resulted from the termination. The Contractor shall not be required to comply with the cost accounting standards or contract cost principles for this purpose. This paragraph does not give the Government any right to audit the Contractor's records. The Contractor shall not be paid for any work performed or costs incurred that reasonably could have been avoided.

(g) Termination for cause. The Government may terminate this contract, or any part hereof, for cause in the event of any default by the Contractor, or if the Contractor fails to comply with any contract terms and conditions, or fails to provide the Government, upon request, with adequate assurances of future performance. In the event of termination for cause, the Government shall not be liable to the Contractor for any amount for supplies or services not accepted, and the Contractor shall be liable to the Government for any and all rights and remedies provided by law. If it is determined that the Government improperly terminated this contract for default, such termination shall be deemed a termination for convenience.

(h) Warranty. The Contractor warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

(End of clause)

52.232-36 Payment by Third Party (May 1999)

(a) General. The Contractor agrees to accept payments due under this contract, through payment by a third party in lieu of payment directly from the Government, in accordance with the terms of this clause. The third party and, if applicable, the particular Governmentwide commercial purchase card to be used are identified elsewhere in this contract.

(b) Contractor payment request. In accordance with those clauses of this contract that authorize the Contractor to submit invoices, contract financing requests, other payment requests, or as provided in other clauses providing for payment to the Contractor, the Contractor shall make such payment requests through a charge to the Government account with the third party, at the time and for the amount due in accordance with the terms of this contract.

(c) Payment. The Contractor and the third party shall agree that payments due under this contract shall be made upon submittal of payment requests to the third party in accordance with the terms and conditions of an agreement between the Contractor, the Contractor's financial agent (if any), and the third party and its agents (if any). No payment shall be due the Contractor until such agreement is made. Payments made or due by the third party under this clause are not payments made by the Government and are not subject to the Prompt Payment Act or any implementation thereof in this contract.

(d) Documentation. Documentation of each charge against the Government's account shall be provided to the Contracting Officer upon request.

(e) Assignment of claims. Notwithstanding any other provision of this contract, if any payment is made under this clause, then no payment under this contract shall be assigned under the provisions of the assignment of claims terms of this contract or the Assignment of Claims Act of 1940, as amended, 31 U.S.C. 3727, 41 U.S.C. 15.

(f) Other payment terms. The other payment terms of this contract shall govern the content and submission of payment requests. If any clause requires information or documents in or with the payment request, that is not provided in the third party agreement referenced

VENDOR:

in paragraph (c) of this clause, the Contractor shall obtain instructions from the Contracting Officer before submitting such a payment request.

(End of clause)

Your quotation must include the following information:

Price list number and date

or

Cost breakdown by direct labor (list categories, hours and pay rates). In addition to the direct rates, provide the applicable indirect information (G&A), overhead, facilities capital cost of money (FCCM) and profit.

or

Applicable General Services Administration (GSA) contract number.

If unable to quote FOB, Destination, please complete the following:

FOB Point _____

Estimated Shipping Charge _____

Business size:

Large _____ Small _____ Nonprofit _____

Cage Code _____

Tax Identification Number (TIN) _____

DUNNS _____

ELIGIBILITY REQUIREMENTS

All contractors and individuals doing business with the Federal Government must be registered at the Contractor Central Registration Database located at:
http:ccr.dlsc.dla.mil/.

ELECTRONIC DISTRIBUTION OF CONTRACT DOCUMENTS

All contract award and contract modification documents will be distributed electronically using the Navy Air Force Interface (NAFI) system. The contractor's copy will be provided in portable document format (pdf) as an

VENDOR:

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 software. This is a free software that may be downloaded at:
http://www.adobe.com/products/acrobat/readstep.html

Provide the following information that will be used to make electronic distribution for any resultant contract:

Name of Point of Contact to Receive Distribution _____

Phone Number for Point of Contact _____

E-Mail Address for Receipt of Distribution _____

USE OF THE GOVERNMENTWIDE COMMERCIAL PURCHASE CARD

Will you accept the Governmentwide Commercial Purchase Card as a method of purchasing supplies and/or services.

_____Yes _____ No

Will you accept the Governmentwide Commercial Purchase Card as a method of payment for your invoice.

_____Yes _____ No

DUTY FREE ENTRY

Will any materials being shipped to the Government require a duty-free entry certificate for foreign supplies.

_____Yes _____ No

If yes, please include dollar amount $_____

SPECIFICATION FOR MULTI PURPOSE CRANE MAIN CYLINDER, NONMAGNETIC, 3,000 PSI OPERATING PRESSURE WITH OVERCENTER VALVES

1.0 ITEM 0001

1.0.1 Stroke: 49-1/2 +/- 1/16 Inches
Rod Diameter: 3.5 Inches
Bore/Piston Nominal: 5.5 Inches
Seals Static: O-Ring

Seals Dynamic:
1) Bronze Impregnated Cap Seal
2) Parker Polymite Piston Seal Assembly

Cushion:
1) Cap End Cushion/Brake Assembly
2) Rod End Cushion/Brake Assembly

Materials:
1) External Components - Stainless Steel 304 Or 316.
Bushings-Maintenance Free Bronze.
2) Internal - Nonmagnetic Except Overcenter Valve Internal Components May Be Steel

Cap/Rod End Clevis Pin Center To Center-Retracted: 77.75 +/-1/16 Inches
Cap/Rod End Clevis Bore Diameter: 2.756 Inches
Maximum Cap/Rod End Clevis Radius: 3.25 Inches
Maximum Cap/Rod End Clevis Width: 2.165 Inches
Maximum Cylinder Outer Diameter: 10" +1/16 Inches
Rod Coating: Thermal Coating Suitable For Marine Environment.
0.010" Chrome Plating or HVOF Tungsten Carbide Hastelloy C-276 Metco 5803 Product
Exterior Coating: Epoxy Coating Followed By Haze Gray Paint
Suitable For Marine Environment.
No Exterior Coating On Exposed Rod.

Overcenter Valve Mounting: One Each At Cap End And Rod End On Underside Of Cylinder Using Flange Type O-Ring Seal Fittings

Overcenter Valve Function: Free Flow Into Cylinder. Pilot (With Dampening) Opens Valve.

Minimum Ratio 3:1. Relief Portion Set To Relieve Cap End Pressure At 2,030+/- 50 Psi And Rod End At 2,030+/- 50 Psi.

Piping/Tubing: Stainless Steel, 3,000 Psi Working Pressure.

Fittings: O-Ring Seal. SAE 37 Degree Flare Is Acceptable.
Piping Interface: Must mate to two SAE 37 degree –12 fitting at cap end overcenter valve.

Label Plate: One CRES Label Plate (Minimum) Must Be Connected To Each Overcenter Valve And Cylinder Assembly Containing Manufacturer Name And Assembly Part Number.

1.0.2 Hydrostatic Test:

a) Test to 1.5 times system pressure (3,000 psi) at 4,500 psi.
b) No leakage or permanent deformation allowed.
c) Hold for 10 minutes
d) Cycle the cylinder after depressuring system.

1.0.3 Piping Hydrostatic Test:

a) Test to 1.35 times system pressure (4,050 psi) at 4,500 psi.
b) Hold for 10 minutes
c) Cycle the cylinder after depressuring system.

Note: System fluid is MIL-PRF-19457 Symbol 2075

ITEM 0002

Same as Item 0001

SPECIFICATION FOR MULTI PURPOSE CRANE
MAIN JIB CYLINDER, NONMAGNETIC, 3,000 PSI OPERATING
PRESSURE WITH OVERCENTER VALVES

2.0 ITEM 0003

2.0.1 Stroke: 42-1/2 +/- 1/16 Inches
Rod Diameter: 3.5 Inches
Bore/Piston Nominal: 6 Inches
Seals Static: O-Ring

Seals Dynamic:
1) Bronze Impregnated Cap Seal
2) Parker Polymite Piston Seal Assembly

Cushion:
1) Cap End Cushion/Brake Assembly
2) Rod End Cushion/Brake Assembly

Materials:
1) External Components - Stainless Steel 304 Or 316.
Bushings-Maintenance Free Bronze.
2) Internal - Nonmagnetic Except Overcenter Valve Internal
Components May Be Steel

Cap/Rod End Clevis Pin Center To Center-Retracted: 70 +/-1/16 inches
Cap/Rod End Clevis Bore Diameter: 2.756 Inches
Maximum Cap/Rod End Clevis Radius: 3.25 Inches
Maximum Cap/Rod End Clevis Width: 2.165 Inches
Maximum Cylinder Outer Diameter: 10.25 +1/16 Inches
Rod Coating: Thermal Coating Suitable For Marine Environment.
0.010" Chrome Plating or HVOF Tungsten Carbide Hastelloy C-276 Metco 5803 Product
Exterior Coating: Epoxy Coating Followed By Haze Gray Paint
Suitable For Marine Environment.
No Exterior Coating On Exposed Rod.

Overcenter Valve Mounting: One Each At Cap End And Rod End On Underside Of Cylinder Using Flange Type O-Ring Seal Fittings

Overcenter Valve Function: Free Flow Into Cylinder. Pilot (With Dampening) Opens Valve.

Minimum Ratio 3:1. Relief Portion Set To Relieve Cap End Pressure At 2,030+/- 50 Psi And Rod End At 2,030+/- 50 Psi.

Piping/Tubing: Stainless Steel, 3,000 Psi Working Pressure.

Fittings: O-Ring Seal. SAE 37 Degree Flare Is Acceptable.
Piping Interface: Must mate to two SAE 37 degree –12 fitting at cap end overcenter valve.

Label Plate: One CRES Label Plate (Minimum) Must Be Connected To Each Overcenter Valve And Cylinder Assembly Containing Manufacturer Name And Assembly Part Number.

2.0.2 Hydrostatic Test:

a) Test to 1.5 times system pressure (3,000 psi) at 4,500 psi.
b) No leakage or permanent deformation allowed.
c) Hold for 10 minutes
d) Cycle the cylinder after depressuring system.

2.0.3 Piping Hydrostatic Test:

a) Test to 1.35 times system pressure (4,050 psi) at 4,500 psi.
b) Hold for 10 minutes
c) Cycle the cylinder after depressuring system.

Note: System fluid is MIL-PRF-19457 Symbol 2075

ITEM 000 4

Same as ITEM 000 3

CONTRACT DATA REQUIREMENTS LIST
(2 DATA ITEMS)

Form Approved
OMB 0704-0188

Public reporting burden for this collection of information is estimated is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for information Operations and Reports,1215 Jefferson Davis Highway, Suite 1204, Arlington, Va . 22202-4302,and to the Office of Management and Budget, Paperwork Reduction Project(0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses . Send complete for to the Government issuing Contracting Officer for the Contract/PR No. listed in Block E.

A.Contract Line Item No.	B. Exhibit	C. Category
0001, 0002 , 0003, 0004	A	TDP _____ TM _____ OTHER _____

D.System/Item	E. Contract / PR No.	F. Contractor
CYLINDERS		

1. Data Item No.	2. Title of Data Item	3. Subtitle
A001	INSPECTION & ACCEPTANCE	

4. Authority (Data Acquisition Document No.)	5. Contract Reference	6. Requiring Office
See Block 16	DESCRIPTION / SPECIFICATION	NSWCCD-SSES

7. DD 250 Req.	9. Dist Statement Required	10.Frequency	12. Date Of First Submission
SD		ONE / R	
8.App.Code		**11.As Date**	**13.Date Of Subsequent Submission**
		30 DAC	

14. Distribution

a. Addressee	b. Copies Draft	Final Reg.	Final Repro.
NSWCCD-SSES 9731		1	0
15. Total		1	0

16.Remarks

BLOCK 4 : THE SYSTEM SHALL BE IN STANDARD COMMERCIAL FORMAT.

17. Price Group

18.Estimated Total Price

1. Data Item No.	2.Title Of Data Item	3. Subtitle
A002	INSPECTION RECORDS	

4. Authority (Data Acquisition Document No.)	5. Contract Reference	6. Requiring Office
See Block 16	DESCRIPTION / SPECIFICATION	NSWCCD-SSES

7. DD 250 Req.	9. Dist Statement Required	10.Frequency	12. Date Of First Submission
SD		ONE / R	
8.App.Code		**11.As Date**	**13.Date Of Subsequent Submission**
		SEE BLOCK 16	

14. Distribution

a. Addressee	b. Copies Draft	Final Reg.	Final Repro.
NSWCCD-SSES 9731		1	0
15. Total		1	0

16.Remarks

BLOCK 4 : THE CONTRACTOR SHALL PROVIDE RECORDS CITED IN THE DESCRIPTION / SPECIFICATION SECTION OF THE CONTRACT, PARAGRAPH 1.0.2., 1.0.3, 2.0.2, 2.0.3

17. Price Group

18.Estimated Total Price

G. Prepared	H. Date	I. Approved	Date
LOUIS J. DISTEFANO	20 AUG 2003	Joseph E. [signature]	20 AUG 2003

DD-FORM 1423, JUN 90 1059/183 S/N0102-LF-010-5600

SOURCE SELECTION CRITERIA

LOW COST/ TECHNICALLY ACCEPTABLE EVALUATION

a) The contract resulting from this solicitation will be awarded to that responsible offeror submitting a technically acceptable proposal with the lowest evaluated estimated price.

b) Technical acceptability will be determined in accordance with the following evaluation factors, based on information submitted in response to the provisions entitled "Technical Proposals". To be determined technically acceptable, the offeror must be technically acceptable in each of the areas identified by the following evaluation factors:

1) CORPORATE EXPERIENCE
2) CAPABILITIES
3) PAST PERFORMANCE

c) Technical Proposals:

Offerors shall provide technical proposals which enable the Government to make a thorough evaluation and arrive at a sound determination as to whether or not the proposal will meet the Government's stated requirements. To this end, each technical proposal shall be so specific, detailed and complete as to clearly and fully demonstrate that the prospective offeror has a thorough knowledge and understanding of the requirements and has the valid and practical solutions for technical problems. Statements which paraphrase the specifications or attest that "standard procedures will be employed", are inadequate to demonstrate how it is proposed to comply with the requirements of the specifications and this clause. As a minimum, the proposal must clearly provide the following:

1. Corporate Experience

A narrative shall be prepared describing the offeror's experience with machining and welding various submarine antenna / periscope components similar to those assemblies as contained in the drawings listed under Section C., herein, along with experience in SUBSAFE / Level I material traceability and maintaining a quality program meeting the requirements of MIL-I-45208A. The offeror shall provide a minimum of three (3) contracts within the past ten (10) years, citing this experience. The offeror shall provide in a matrix format, the contract number, type of contract, contract dollar value, period of performance, work description / scope of work, and the name of the customer.

2. Capability:

A narrative shall be prepared which demonstrates the offeror's capability to provide equipment and facilities to accomplish the required machining and welding tasks and provide qualified personnel meeting the requirements identified under Section C. In addition, the offeror shall demonstrate facilities and equipments which possess the following capabilities:

a. Capability in machining components of approximately 15 feet and greater in length and 3 feet in width.

b. Welder certification in accordance with MIL-STD-248.

c. Written and approved welding procedures in accordance with MIL-STD-278 for the type of services required. Approved non-destructive test procedures in accordance with MIL-STD-271, NAVSHIPS 0900-003-8000, and NAVSHIPS 0900-003-9000.

3. Past Performance

a. The offeror shall provide a list of the last two (2) contracts or subcontracts completed during the last three (3) years and all contracts and subcontracts currently in process. Contracts listed may include those entered into by the Government, agencies of state and local governments and commercial customers. Offerors shall include the following information for each contract and sub-contract:

1. Name of customer
2. Contract number
3. Contract Type
4. Total contract value
5. Description of work
6. Contracting Officer/ Administrator and telephone number
7. Program Manager and telephone number

b. Each offeror will be evaluated on their performance under existing and prior contracts for similar products or services. Performance information will be used for both responsibility determinations and as an evaluation factor.

(c) Exceptions:

Offerors are not encouraged to take exceptions to this solicitation, however any exceptions taken to the specifications or terms and conditions of this solicitation shall be explained in detail and set forth in a cover letter. Offerors shall identify the particular section, clause paragraph and page to which they are taking exception.

INSPECTION AND ACCEPTANCE

1. Contractor is required to perform all inspections to ensure the quality of finished item and for inspection and test equipment necessary to ensure that results of inspections or tests are accurate.

2. Due to the critical nature of this material , a Representative of NSWCCD- SSES, SSD, Code 9731, is available to furnish Technical Assistance on Quality Control Matters and shall have the option of conducting Quality Assurance Surveillance. A minimum of seven (7) working days is required to arrange such a visit for any required inspections.

3. Unless otherwise specified, the supplier is responsible for the performance of all inspection requirements as specified herein. The Government reserves the right to perform any of the inspections/tests set forth in the above requirements where such inspection /test are deemed necessary to ensure the supplies and services conform to the requirements.

4. This contract shall not be considered complete unless all documents and products required to be delivered under this contract are received and accepted by NSWCCD-SSES.