

AWARD/CONTRACT	1. This Contract Is A Rated Order Under DPAS (15 CFR 700)	Rating DOA5	Page 1 Of 4
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2. Contract (Proc. Inst. Ident) No. DAAE20-00-D-0002	3. Effective Date 2000MAR09	4. Requisition/Purchase Request/Project No. SEE SCHEDULE
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5. Issued By TACOM-ROCK ISLAND AMSTA-LC-CFA-B DIANE WIENER (309) 782-6675 ROCK ISLAND IL 61299-7630	Code W52H09	6. Administered By (If Other Than Item 5) DCMC SPRINGFIELD BLDG 1 ARDEC PICATINNY NJ 07806-5000	Code S3101A
e-mail address: WIENERD@RIA.ARMY.MIL		SCD C PAS NONE	ADP PT SC1012

7. Name And Address Of Contractor (No. Street, City, County, State, And Zip Code) BF SYSTEMS INC 100 PENNSYLVANIA AVE PATERSON NJ 07509 TYPE BUSINESS: Other Small Business Performing in U.S.	8. Delivery <input type="checkbox"/> FOB Origin <input checked="" type="checkbox"/> Other (See Below) SEE SCHEDULE
	9. Discount For Prompt Payment 1% 20 Days Net 30 Days
	10. Submit Invoices (4 Copies Unless Otherwise Specified)
Code 0BXF1 Facility Code 07860	Item 12 To The Address Shown In:

11. Ship To/Mark For SEE SCHEDULE	Code	12. Payment Will Be Made By DFAS COLUMBUS CENTER DFAS-CO-JNC/MINUTEMAN PO BOX 182266 COLUMBUS OH 43218-2362	Code SC1032
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13. Authority For Using Other Than Full And Open Competition: <input checked="" type="checkbox"/> 10 U.S.C. 2304(c)(1)) <input type="checkbox"/> 41 U.S.C. 253(c))	14. Accounting And Appropriation Data
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15A. Item No. SEE SCHEDULE	15B. Schedule Of Supplies/Services CONTRACT TYPE: Firm-Fixed-Price	15C. Quantity	15D. Unit	15E. Unit Price	15F. Amount
KIND OF CONTRACT: Supply Contracts and Priced Orders					
Contract Expiration Date: 2005JAN31				15G. Total Amount Of Contract	\$0.00

16. Table Of Contents							
(X)	Section	Description	Page(s)	(X)	Section	Description	Page(s)
Part I - The Schedule				Part II - Contract Clauses			
X	A	Solicitation/Contract Form	1		I	Contract Clauses	
	B	Supplies or Services and Prices/Costs		Part III - List Of Documents, Exhibits, And Other Attachments			
	C	Description/Specs./Work Statement			J	List of Attachments	
	D	Packaging and Marking		Part IV - Representations And Instructions			
	E	Inspection and Acceptance			K	Representations, Certifications, and Other Statements of Offerors	
	F	Deliveries or Performance			L	Instrs., Conds., and Notices to Offerors	
	G	Contract Administration Data			M	Evaluation Factors for Award	
	H	Special Contract Requirements					

Contracting Officer Will Complete Item 17 Or 18 As Applicable

17. <input checked="" type="checkbox"/> Contractor s Negotiated Agreement (Contractor is required to sign this document and return 2 signed copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)	18. <input type="checkbox"/> Award (Contractor is not required to sign this document.) Your offer on Solicitation Number _____ including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government s solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.
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19A. Name And Title Of Signer (Type Or Print)	20A. Name Of Contracting Officer MARY DONOVAN DONOVANM@RIA.ARMY.MIL (309) 782-4895
19B. Name of Contractor By _____ (Signature of person authorized to sign)	19c. Date Signed
20B. United States Of America By _____ (Signature of Contracting Officer)	20C. Date Signed

CONTINUATION SHEET**Reference No. of Document Being Continued**

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MOD/AMD

Name of Offeror or Contractor: BF SYSTEMS INC

SECTION A - SUPPLEMENTAL INFORMATION

1. A FIRM FIXED PRICE REQUIREMENTS CONTRACT IS AWARDED FOR A PERIOD OF 5 YEARS TO BF SYSTEMS INC

2. THE CONTRACT IS BEING ADMINISTERED BY THE FOLLOWING CONTRACTOR:

CAGE CODE: 0BXF1

CONTRACTOR: B. F. SYSTEMS, INC.
 CORPORATE OFFICES
 PO BOX 3027
 100 PENNSYLVANIA AVENUE
 PATERSON, NJ 07509

TELEPHONE: (973)523-2200

3. MANUFACTURING, INSPECTION AND PACKAGING WILL BE PERFORMED BY THE FOLLOWING CONTRACTOR:

CAGE CODE: 07860

CONTRACTOR: BOGUE ELECTRIC MANUFACTURING CO.
 100 PENNSYLVANIA AVENUE
 PATERSON, NJ 07509

TELEPHONE: (973)523-2200

4. THE ORDERING PERIODS, ESTIMATED QUANTITIES AND ESTABLISHED FIXED PRICES ARE AS FOLLOWS:

ORDERING PERIODS:

-- ORDERING PERIOD 1	DATE OF AWARD	31 JANUARY 2001
-- ORDERING PERIOD 2	01 FEBRUARY 2001	31 JANUARY 2002
-- ORDERING PERIOD 3	01 FEBRUARY 2002	31 JANUARY 2003
-- ORDERING PERIOD 4	01 FEBRUARY 2003	31 JANUARY 2004
-- ORDERING PERIOD 5	01 FEBRUARY 2004	31 JANUARY 2005

ORDERING PERIOD	ESTIMATED QUANTITY	UNIT PRICE
ORDERING PERIOD 1	5 - 10 DC MOTORS	\$ 2,783.00
	11 - 25 DC MOTORS	\$ 2,609.00
	26 - 50 DC MOTORS	\$ 2,518.00
	51 - 100 DC MOTORS	\$ 2,400.00
ORDERING PERIOD 2	5 - 10 DC MOTORS	\$ 2,783.00
	11 - 25 DC MOTORS	\$ 2,609.00
	26 - 50 DC MOTORS	\$ 2,518.00
	51 - 100 DC MOTORS	\$ 2,400.00
ORDERING PERIOD 3	5 - 10 DC MOTORS	\$ 2,866.00
	11 - 25 DC MOTORS	\$ 2,688.00
	26 - 50 DC MOTORS	\$ 2,594.00
	51 - 100 DC MOTORS	\$ 2,472.00
ORDERING PERIOD 4	5 - 10 DC MOTORS	\$ 2,985.00
	11 - 25 DC MOTORS	\$ 2,769.00
	26 - 50 DC MOTORS	\$ 2,672.00
	51 - 100 DC MOTORS	\$ 2,546.00
ORDERING PERIOD 5	5 - 10 DC MOTORS	\$ 3,075.00
	11 - 25 DC MOTORS	\$ 2,852.00
	26 - 50 DC MOTORS	\$ 2,752.00
	51 - 100 DC MOTORS	\$ 2,622.00

AFTER A DELIVERY ORDER IS PLACED WITH THE CONTRACTOR, THE DELIVERY ORDER DELIVERY SCHEDULE FOR THE DC MOTOR FOR QUANTITIES LESS THAN 25 UNITS IS 180 DAYS AFTER RECEIPT OF ORDER. FOR ORDERS WITH QUANTITIES OVER 25 UNITS, DELIVERY WILL BEGIN IN 180 DAYS AFTER

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MOD/AMD

Name of Offeror or Contractor: BF SYSTEMS INC

RECEIPT OF ORDER AND AND CONTINUE TILL COMPLETE.

5. ALL DELIVERY ORDERS ISSUED WILL UTILIZE THE UNIT PRICES REFERENCE ABOVE FOR THE APPLICABLE PERIOD OF PERFORMANCE.
6. AS OF THE EFFECTIVE DATE OF THIS CONTRACT NO FUNDS ARE OBLIGATED HEREUNDER. UPON THE EXECUTION OF A UNILATERAL DELIVERY ORDER OR ORDER MODIFICATION, FUNDS WILL BE OBLIGATED IN THE AMOUNT SET FORTH IN THE UNILATERAL ORDER OR ORDER MODIFICATION.
7. THE FOLLOWING CLAUSES ARE INCORPORATED INTO SECTION I AND L OF THIS REQUIREMENTS CONTRACT:

SECTION I FAR 52.232-16 PROGRESS PAYMENTS - ALTERNATE I

SECTION L FAR 52.232-13 NOTICE OF PROGRESS PAYMENTS

8. THE FOLLOWING ACCEPTANCE TEST PROCEDURES HAS BEEN APPROVED FOR THIS CONTRACT:

ACCEPTANCE TEST PROCEDURE
FOR
5 H.P. D.C. MOTOR 3800 R.P.M. 24 VDC
BOGUE TEST SPECIFICATION Q.C. 6569/2

STEP #1: VERIFICATION OF IN-PROCESS INSPECTION DOCUMENTATION.

1a: ALL IN-PROCESS INSPECTION SHOULD BE PERFORMED ALL DATA RECORDED AND REQUIRED Q.C.M.'S COMPLETED...

STEP #2: IDENTIFICATION OF PRODUCT:

2a: CHECK THAT ALL REQUIRED I.D. PLATES ARE CORRECT AND THAT SERIAL NUMBERS ARE CORRECT...

STEP #3: BRUSH SEATING AND COMUTATOR:

3a: ASSURE THAT COMMUTATOR UNDERCUT IS CORRECT, THAT COMMUTATOR IS SMOOTH, AND THAT BRUSHES ARE PROPERLY SEATED...

3b: AT THIS TIME CHECK ALL ELECTRICAL CONNECTIONS AND VISIBLE HARDWARE FOR TIGHTNESS AND PROPER TORQUE SETTINGS...

STEP #4: DIRECTION OF ROTATION:

4a: CONNECT MOTOR TO 24VDC SUPPLY AND COUPLE TO DYNAMOMETER. VERIFY DIRECTION OF ROTATION. MOTOR SHOULD TURN CLOCKWISE (CW) WHEN VIEWED FROM COUPLING END...

STEP #5: NO LOAD TEST LIMIT PER CURVE B.PG.9 BOGUE SPECIFICATION 6569/2...

5a: APPLY 24VDC AND MEASURE AND RECORD ALL DATA. (CURRENT AND SPEED)...

5b: SPEED = 4600 R.P.M. TO 5050 R.P.M. ...

5c: CURRENT = 26 AMPS. TO 28.5 AMPS.

NOTE MOTOR MUST BE DECOUPLED FOR THIS TEST...

STEP #6: LOAD TEST AT 6.5 FT./LBS. TORQUE PER CURVE C. PG.10 BOGUE SPECIFICATION 6569/2...

6a: APPLY EXCITATION TO DYNAMOMETER RESULTING IN 6.5 FT./LBS TORQUE SCALE...

6b: SPEED = MINIMUM 3750 R.P.M....

MAXIMUM 4000 R.P.M....

CURRENT = FROM 186.5 AMPS. TO 199 AMPS.

6c: CURRENT MAY BE LOWER, BUT SHALL NOT BE HIGHER THAN EXPRESSED IN CURVE C FOR EACH. RESULTING SPEED...

STEP #7: HIGH LIMIT CURRENT CHECK PER PERFORMANCE CURVE A. (ALL UNITS: PAGE 8 PER BOGUE TEST PROCEDURE 6569/2)...

7a: APPLY EXCITATION TO DYNAMOMETER RESULTING IN 16.5 FT./LBS TORQUE ON SCALE (10 H.P.)...

7b: CURRENT LIMIT 430 AMPS. SPEED APPROX. 3100 R.P.M....

7c: IF REQUIRED, SHIFT BRUSH RIGGING, BUT COMMUTATION SHOULD BE BLACK...

SPECIAL NOTE IN ALL TEST LISTED ABOVE, NO SPARKING OF BRUSHED SHOULD OCCUR AT ANY TIME...

SHOULD THIS PROBLEM OCCUR FOLLOW THESE STEPS:

1) CHECK BRUSHES..

2) CHECK COMMUTATOR..

3) CHECK SHUNT CONNECTION LOCATED ON BRUSH RIGGING..

4) CHECK FOR GROUNDED BRUSH RIGGING..

5) CHECK INPUT CONNECTOR ON SET-UP..

STEP #8: DYNAMIC BALANCE TEST: (VIBRATION TEST):

8a: WHEN TESTED IN ACCORDANCE WITH NEMA STANDARDS. SECTION MG 1-4.23 DISPLACEMENT AT THE MOTOR SHAFT BEARING SHALL NOT EXCEED .002 INCHES. THIS TEST WILL BE DONE AT STEP #5 OF THIS TEST PROCEDURE..

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Name of Offeror or Contractor: BF SYSTEMS INC

- 9. CONTRACTOR IS HEREBY AUTHORIZED TO USE THE PROCEDURE FOR CARC ON DRAWING 12369004 IN LIEU OF NOTE 3 ON DRAWING 12010727.
- 10. SECTION E - INSPECTION AND ACCEPTANCE, DELETE CLAUSES E3, TACOM-RI, PROCESS CONTROL (SPC) AND E5, TACOM-RI 52.246-4531, ACCEPTANCE INSPECTION EQUIPMENT (AIE) IN ITS ENTIRETY.
- 11. SECTION C - DRAWINGS/SPECIFICATION, DELETE REFERENCE TO AIE.
- 13. REQUIREMENTS SET FORTH ON FORM DD 1423 DID'S A001 THROUGH A006 ARE HEREBY DELETED IN ITS ENTIRETY.
- 14. MIL-I-45208 IS ACCEPTABLE FOR THIS CONTRACT.

*** END OF NARRATIVE A001 ***