

NOTICE:

Bids to be opened at 2:00 P.M.

JUL 15 1986

at the
office of
Officer in Charge Of Construction
Jacksonville, North Carolina Area
Building 1005, Marine Corps Base
Camp Lejeune, North Carolina 28542

CONTRACT N62470-86-B-5466

**NAVFAC SPECIFICATION
NO. 05-86-5466**

GENERATOR OPERATOR'S APPLIED INSTRUCTION FACILITY

at the

MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA

DESIGN BY:

**Earl Asher Applegate, Architect
P. O. Box 399
New Bern, North Carolina 28560**

SPECIFICATION PREPARED BY:

Earl Asher Applegate, AIA

SPECIFICATION REVISED BY:

**J. H. Fitch, P.E., Manager
Specifications and Estimates Section**

SPECIFICATION APPROVED BY:

**M. I. Kimball, Lt. Commander, Acting Director
Design Branch, Public Works Division**

**C. A. Johannesmeyer, Commander, CEC, U. S. Navy
for Commander, Naval Facilities Engineering Command**

CONTENTS

This Invitation for Bids, IFB No. N62470-86-B-5466, consists of the following documents:

- (I) Bidding Instructions
 - (1) Solicitation, Offer and Award (Standard Form 1442 (Rev. 4-85))
 - * (2) Instructions to Bidders (Construction Contract) April 1985
- (II) Bid Submittal Documents
 - (1) Solicitation, Offer and Award (Standard Form 1442 (Rev. 4-85))
 - * (2) Representations and Certifications, April 1985
 - (3) Bid Guaranty (Standard Form 24 (Rev. 10-83))
- (III) Contract Documents
 - (1) Solicitation, Offer and Award (Standard Form 1442 (Rev. 4-85))
 - (2) Performance Bond (Standard Form 25 (Rev. 10-83))
 - (3) Payment Bond (Standard Form 25A (Rev. 10-83))
 - * (4) Contract Clauses (Construction Contract) April 1985
 - (5) Labor Standards Provisions, November 1979 (Rev. 8-83)
 - * (6) NAVFAC Specification No. 05-86-5466
 - (7) Drawings identified in Section 01011 of the Specification
 - ** (8) Wage Determination, Secretary of Labor Decision No. NC 81-1201, Building Construction

* These items are bound within the Specification at the front

** The Wage Determination is attached as the last page of the Specification

NOTE: All other items are attached on top of the Specification

NOTE:

INQUIRIES

PLANS AND SPECIFICATIONS: Questions regarding the plans and Specification occurring prior to bid opening shall be presented to the Public Works Design Division, Building 1005, Marine Corps Base, Camp Lejeune, North Carolina 28542, telephone (919) 451-5507. Questions requiring interpretation of drawings and the Specification must be submitted at least ten days before bid opening. Interpretations or modifications to specifications made as a result of questions will be made by amendment only, and unless so done, all bidders should base their bids on the plans and Specification as issued.

BIDDING PROCEDURES: All questions concerning the bidding procedures shall be presented to OICC-ROICC Contract Branch, Room 26, Building 1005, Marine Corps Base, Camp Lejeune, North Carolina, telephone (919) 451-2582.

CONTENTS

- SECTION 00101. Instructions to Bidders
 - Contract Clauses
 - Representations and Certifications

DIVISION

- | | |
|---|---|
| <p>1. GENERAL REQUIREMENTS
SECTION</p> <ul style="list-style-type: none">01010. General Paragraphs01011. Additional General Paragraphs01401. Quality Control01560. Environmental Protection <p>2. SITE WORK
SECTION</p> <ul style="list-style-type: none">02102. Clearing and Grubbing02200. Earthwork02250. Soil Treatment for Subterranean Termite Control02420. Storm Drainage System02823. Re-Establishing Vegetation <p>3. CONCRETE
SECTION</p> <ul style="list-style-type: none">03302. Cast-in-Place Concrete (Minor Building Construction) <p>4. NOT USED</p> <p>5. METAL
SECTION</p> <ul style="list-style-type: none">05500. Metal Fabrications <p>6. WOOD AND PLASTIC
SECTION</p> <ul style="list-style-type: none">06100. Rough Carpentry <p>7. THERMAL AND MOISTURE PROTECTION
SECTION</p> <ul style="list-style-type: none">07512. Smooth Surfaced Bituminous Built-Up Roofing07600. Flashing and Sheet Metal <p>8. NOT USED</p> <p>9. FINISHES
SECTION</p> <ul style="list-style-type: none">09809. Protection of Buried Steel Piping and Fuel Tank Tiedowns <p>10. THROUGH 15. NOT USED</p> | <p>16. ELECTRICAL
SECTION</p> <ul style="list-style-type: none">16011. Electrical General Requirements16301. Underground Electrical Work16302. Overhead Electrical Work16402. Interior Wiring Systems16510. Interior Lighting16530. Exterior Lighting16760. Intercommunication System |
|---|---|

05 86 5466

CONTENTS

Department of Defense
Department of Defense
Department of Defense

Item No.	Description	Quantity	Unit Price	Total Price
1010	Information System	1		
1020	Operator Manual	1		
1030	Operator Training	1		
1040	Operator Wiping System	1		
1050	Operator Wiping System	1		
1060	Operator Wiping System	1		
1070	Operator Wiping System	1		
1080	Operator Wiping System	1		
1090	Operator Wiping System	1		
1100	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1110	Operator Wiping System	1		
1120	Operator Wiping System	1		
1130	Operator Wiping System	1		
1140	Operator Wiping System	1		
1150	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1160	Operator Wiping System	1		
1170	Operator Wiping System	1		
1180	Operator Wiping System	1		
1190	Operator Wiping System	1		
1200	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1210	Operator Wiping System	1		
1220	Operator Wiping System	1		
1230	Operator Wiping System	1		
1240	Operator Wiping System	1		
1250	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1260	Operator Wiping System	1		
1270	Operator Wiping System	1		
1280	Operator Wiping System	1		
1290	Operator Wiping System	1		
1300	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1310	Operator Wiping System	1		
1320	Operator Wiping System	1		
1330	Operator Wiping System	1		
1340	Operator Wiping System	1		
1350	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1360	Operator Wiping System	1		
1370	Operator Wiping System	1		
1380	Operator Wiping System	1		
1390	Operator Wiping System	1		
1400	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1410	Operator Wiping System	1		
1420	Operator Wiping System	1		
1430	Operator Wiping System	1		
1440	Operator Wiping System	1		
1450	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1460	Operator Wiping System	1		
1470	Operator Wiping System	1		
1480	Operator Wiping System	1		
1490	Operator Wiping System	1		
1500	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1510	Operator Wiping System	1		
1520	Operator Wiping System	1		
1530	Operator Wiping System	1		
1540	Operator Wiping System	1		
1550	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1560	Operator Wiping System	1		
1570	Operator Wiping System	1		
1580	Operator Wiping System	1		
1590	Operator Wiping System	1		
1600	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1610	Operator Wiping System	1		
1620	Operator Wiping System	1		
1630	Operator Wiping System	1		
1640	Operator Wiping System	1		
1650	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1660	Operator Wiping System	1		
1670	Operator Wiping System	1		
1680	Operator Wiping System	1		
1690	Operator Wiping System	1		
1700	Operator Wiping System	1		

Item No.	Description	Quantity	Unit Price	Total Price
1710	Operator Wiping System	1		
1720	Operator Wiping System	1		
1730	Operator Wiping System	1		
1740	Operator Wiping System	1		
1750	Operator Wiping System	1		

SECTION 01010
GENERAL PARAGRAPHS

1. GENERAL INTENTION: It is the declared and acknowledged intention and meaning to provide and secure an applied instruction generator operator's training facility, complete and ready for use.
2. GENERAL DESCRIPTION: The work includes site excavation, grading and fill, concrete, carpentry, roofing, interior and exterior work including a transformer, public address systems, and incidental related work.
3. The work shall be located at the Marine Corps Base, Camp Lejeune, North Carolina, approximately as shown. The exact location will be indicated by the Contracting Officer. "Officer in Charge of Construction (OICC)" and "Contracting Officer" are used interchangeably in this specification and have the same meaning.
4. NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (APR 1984).

(Applies when the amount of the contract is in excess of \$10,000.)

(a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.

(b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Goals for minority participation for each trade	Goals for female participation for each trade
23.5%	6.9%

These goals are applicable to all the Contractor's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the contractor shall apply the goals established for the geographical area where the work is actually performed. Goals are published periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs office.

(c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action obligations required by the clause entitled "Affirmative Action Compliance Requirements for Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform

throughout the length of the contract, and in each trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246, as amended, and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

(d) The Contractor shall provide written notification to the Director, Office of Federal Contract Compliance Programs, within 10 working days following award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the-

- (1) Name, address, and telephone number of the subcontractor;
 - (i) Employer identification number of the subcontractor;
- (2) Estimated dollar amount of the subcontract;
- (3) Estimated starting and completion dates of the subcontract; and
- (4) Geographical area in which the subcontract is to be performed.

(e) As used in this Notice, and in any contract resulting from this solicitation, the "covered area" is State of North Carolina; Counties of Columbus, Duplin, Onslow and Pender. (FAR 52.222-23)

5. REQUIRED INSURANCE: (a) The Contractor shall procure and maintain during the entire period of performance under this contract the following minimum insurance coverage.

<u>Type of Insurance</u>	<u>Per Person</u>	<u>Per Accident</u>	<u>Property</u>
1. Comprehensive General Liability	\$300,000	\$1,000,000	\$100,000
2. Automobile Liability	\$300,000	\$1,000,000	\$100,000
3. Workmen's	As required		
4. Other as required by State law.			

(b) Prior to commencement of work, the Contractor shall furnish to the Contracting Officer a certificate or written statement of the above required insurance. The policies evidencing required insurance shall contain an endorsement to the effect that cancellation or any material change in the policies adversely affecting the interests of the Government in such insurance shall not be effective for such period as may be prescribed by the laws of the State in which this contract is to be performed and in no event less than thirty (30) days after written notice thereof to the Contracting Officer.

(c) The Contractor agrees to insert the substance of this clause, including this paragraph (c), in all subcontracts hereunder.

SECTION 01011
ADDITIONAL GENERAL PARAGRAPHS

1 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984): The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the award, (b) prosecute the work diligently, and (c) complete the entire work ready for use within 240 calendar days thereafter. Roofing will not be permitted from 15 December to 15 March. Periods of time when work is prohibited by this document will not be included in calculating the completion date.

2 LIQUIDATED DAMAGES--CONSTRUCTION (APR 1984): (a) If the Contractor fails to complete the work within the time specified in the contract, or any extension, the Contractor shall pay to the Government as liquidated damages, the sum of \$100.00 for each day of delay. (FAR 52.212-5)

(b) If the Government terminates the Contractor's right to proceed, the resulting damage will consist of liquidated damages until such reasonable time as may be required for final completion of the work together with any increased costs occasioned the Government in completing the work.

(c) If the Government does not terminate the Contractor's right to proceed, the resulting damage will consist of liquidated damages until the work is completed or accepted.

3 DRAWINGS ACCOMPANYING SPECIFICATION: The following drawings accompany this specification and are a part thereof. Drawings are the property of the Government and shall not be used for any purpose other than that contemplated by the specification. If reduced size drawings are provided, graphic scales shall be used. Full-size drawings may be inspected during regular working hours at the office of the Contracting Officer.

<u>NAVFAC</u> <u>DWG. NO.</u>	<u>SHEET NO.</u>	<u>TITLE</u>
4132789	A-1	Cover
4132790	A-2	Site Plan
4132791	A-3	Floor Plans, Sections and Details
4132792	E-1	Electrical - Floor Plans and Details
4132793	E-2	Electrical, - Plan, Section and Details

3.1 Drawing Verification and Control: The Contractor shall check all drawings furnished him immediately upon their receipt and shall promptly notify the Contracting Officer of any discrepancies. Figures marked on drawings shall in general be followed in preference to scale measurements. Large scale drawings shall in general govern small scale drawings. The Contractor shall compare all drawings and verify the figures before laying out the work and will be responsible for any errors which might have been avoided thereby.

(FAR SUPP 52.236-7002 (c))

4 SPECIFICATIONS AND PRINTS FURNISHED TO CONTRACTOR: Six copies of the project specifications, and six sets of the drawings accompanying the specifications will be furnished the Contractor without charge. Additional sets of the specifications and drawings can be obtained, if required, by application to the Contracting Officer, provided that the need therefore is justified to the satisfaction of the Contracting Officer.

5 CONSTRUCTION CATEGORIES: The construction categories listed shall apply to all work covered by this specification. The construction categories may be modified by the Contracting Officer as necessary during the course of the work.

<u>Category Code</u>	<u>Description</u>
171-20	Applied Instruction Facility

6 MATERIALS AND EQUIPMENT TO BE SALVAGED: Contract Clause entitled "Salvage Materials and Equipment" is hereby deleted. Except where specifically specified otherwise herein, all existing materials and equipment which are required to be removed or disconnected to perform the work, but are not indicated or specified for use in the new work, shall become the property of the Contractor and shall be removed from Government property.

7 OPERATION OF STATION UTILITIES: The Contractor shall not operate nor disturb the setting of any control devices in the station utilities system, including water, sewer, electrical, and steam services. The Government will operate the control devices as required for normal conduct of the work. The Contractor shall notify the Contracting Officer giving reasonable advance notice when such operation is required.

8 UTILITIES:

8.1 Availability of Utilities Services: Contract clause entitled "Availability and Use of Utility Services" applies. Reasonable amounts of water and electricity from the nearest available outlet free of charge for pursuance of work under this contract. If the nearest available outlet cannot be utilized by the Contractor because of improper voltage, insufficient current, improper pressure, incompatible connectors, etc., it shall be the responsibility of the Contractor to provide temporary utilities as required.

8.2 Energy and Utilities Conservation: The Contractor shall carefully conserve utilities furnished without charge. The Contractor, at his own expense and in a manner satisfactory to the Contracting Officer, shall install and maintain all necessary temporary connections and distribution lines and remove the same prior to final acceptance of the construction.

8.3 Location of Underground Utilities: Where existing piping, utilities, and underground obstructions of any type are indicated in locations to be traversed by new piping, ducts, and other work provided hereunder, and are not indicated or specified to be removed, the elevations of the existing utilities and obstructions shall be determined before the new work is laid