



2. AMENDMENT/MODIFICATION NO. R0005	3. EFFECTIVE DATE 12/20/02	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY CODE US ARMY ENGINEER DISTRICT, AK CEPOA-CT (DACA85) PO BOX 6898 ELMENDORF AFB, AK 99506-6898 SUSAN COYNER (907)753-2838		7. ADMINISTERED BY (If other than Item 6) CODE US ARMY ENGINEER DISTRICT, AK CEPOA-CO-NAO PO BOX 35066 (BLDG 2104) FAIRBANKS, ALASKA 99703-0066	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)	(X)	9A. AMENDMENT OF SOLICITATION NO. DACA85-02-R-0023
	X	9B. DATED (SEE ITEM 11) 10/04/02
		10A. MODIFICATION OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE	FACILITY CODE	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 0 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (If required)

**PROJECT TITLE AND LOCATION: Construct Baghouse, Eielson AFB, Alaska**

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(X)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc). SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

**PROPOSAL DUE DATE IS 09 JAN 03, 4:00 pm, local time, at the US Army Corps of Engineers, 2204 Third Street, Rm 29, Elmendorf AFB, Alaska.**

**NOTICE TO OFFERORS:** Please mark outside of envelope to show amendment received. You are required to acknowledge receipt of amendments on the reverse side of Standard Form 1442.

**A REMINDER THAT ELMENDORF AFB IS STILL UNDER TIGHT SECURITY. BE SURE TO HAVE ALL NECESSARY PAPERWORK NEEDED TO OBTAIN A BASE PASS AND GIVE YOURSELF PLENTY OF TIME TO PROCESS THROUGH THE BONIFACE GATE.**

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF SIGNER (Type or print)
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
(Signature of person authorized to sign)	(Signature of Contracting Officer)

DACA85-02-R-0023  
CONSTRUCT BAGHOUSE  
Amendment 0005

Section 00100 is revised per proposal questions and is attached. Add Paragraph 13. entitled Participation of Commercial Firm(s); and add FY2003 Alaska District subcontracting goals. Part III subparagraph h. is changed to delete submission of CADD files with the proposal.

Section 00120 is revised per proposal questions and is attached.

Additional answers to proposal questions are attached.

Amendment 0005  
Answers to Proposal Questions  
DACA85-02-R-0023  
CHPP Baghouse Project  
Eielson AFB, Alaska

1. Paraphrased question: "What is the reference for evaluating Subcontracting Plans in the evaluation factors?"

DFAR 215.304 -- Factors and Significant Subfactors

"The contracting officer shall evaluate the extent to which offerors identify and commit to small business and historically black college or university and minority institution performance of the contract, whether as a joint venture, teaming arrangement, or subcontractor."

This requirement is met by evaluation of the subcontracting plan submitted by Large Businesses.

2. Paraphrased question: "Why are small businesses given the highest rating for the evaluation factor Subcontracting Plan.

DFAR 215.305 -- Proposal evaluation.

(5) Small business subcontracting evaluation. Solicitations must be structured to give offers from small business concerns the highest rating for the evaluation factors in 15.304(c)(3)(iii) and (c)(5).

It has been determined that this solicitation does not bundle contract requirements. Reference to the small business evaluation rating is deleted from Section 00120.

3. Please clarify what type of guarantee is to be furnished with the proposal.

Proposal Bond requirements are identified at Clause 52.228-1, Bid Guarantee (SEP 1996) in Section 00700. The proposal guarantee amount shall be 20 percent of the proposal price or \$3 million, whichever is less. Reference to a letter of commitment in Section 00100 is deleted.

4. Reference spec section 00100, PART III.i.2 (sic 3) on page 5. This item limits the size of Volume 3 to 35 pages.

The page limitation for Volume 3 has been deleted.

5. The time the proposals are due on Standard Form 1442, Solicitation, Offer and Award is in conflict with the time on the Standard Form 30 Amendment of Solicitation/Modification of Contract.

The time proposals are due is changed to 4:00 pm, local time.

6. Reference Section 00100, Page 16, Subcontracting Plan - On Item I, please clarify that the total dollars planned to be subcontracted should be include d, e, f, g, and h. Items "g" and "h" currently are not listed to be included in this total.

Item I on the Subcontracting Plan has been corrected to include Items "g" and "h" in the total.

7. Ref. Spec 00100, TAB B:, Item b. (page 7) - When the proposal due date was Nov. 27, you had an NTP date of Jan 10 or 44 days after this date. Now this date is quite unrealistic with a proposal due date of Jan 9.

The NTP date in Section 00100 is changed to 14 February 2003.

8. What type of operator interface system is being used for the Bailey DCS? What version of this software is in use?

The operator interface for the Bailey Distributed Control System is the normal graphical interface provided by Bailey. It is unclear what the actual version of the software is, but it is post-millennium, as the CH&PP did install updates to prevent Y2K difficulties.

9. Reference Specification 13935, Part 1, Para. 1.2.1.2. - this discusses the water supply system for the new fire suppression system and gives general information of the fire pump equipment location and ratings. It is not clear, however, as to the actual water supply capacity available at the point of connection to the existing 18" fire main on the North side of the power plant as noted on Drawing C3.1, or on the South side at Fire Hydrant FH 33-10 as noted on Drawing C3.2. Information is not available to estimate the potential hydraulic losses through the existing piping network from the pumps to the point of connection. Therefore, can a water supply curve be provided from which we can estimate the pipe sizes for the sprinkler systems?

Specification Section 13935-1.2.1.2 is clear about where the fire protection water originates:

#### 1.2.1.2 Basis for Calculations

The design of the system shall be based upon a water supply from the main plant fire pumps. There are two fire pumps, one diesel engine driven, one with an electric motor. Each pump is nominally rated at 1,500 gpm at 126 psi. Hydraulic calculations shall be based upon the Hazen-Williams formula with a "C" value of 120 for galvanized steel piping, 140 for new cement-lined ductile-iron piping, and 100 for existing underground piping.

The 18" line noted as Point "M" on C3.1 is a gravity line between the 36" condenser water line and the "wet sump" in the fire pump room. The fire pumps noted, I believe, are fed from the CHPP fire pumps. See drawings below for further clarification.



11. Edit the following in section 13404 as shown below.

**1.2.1.2 Base Design**

Controls associated with the new ID fans shall be wired to the existing Distributed Control System (DCS), and will include starting and stopping of the fan(s) ~~as well as monitoring of the fan bearings for vibration and temperature.~~ Furnace draft, which provides the basis for modulation of the variable speed drives, will also be controlled from the existing DCS. Fan vibration and bearing temperature signals shall be handled in a manner consistent with drawings P1.8 through P1.13, note number 5.

**1.2.3.2 Induced Draft (ID) Fan Control**

An ID Fan is located on the discharge side of each baghouse. The ID Fan motor speed will be controlled by a variable frequency drive (VFD). The VFD speed setpoint will be controlled by the furnace draft controller which will provide an analog output from the existing Bailey DCS. The baghouse control system will monitor the ID fan and VFD as shown on the P&ID drawings. Existing ID Fan interlocks will be duplicated on new fans.

{No changes to this section}

**1.2.3.3 Data Logging**

As a minimum the following data shall be logged for reporting and/or trending:

- a. Baghouse Inlet Temperature
- b. Differential Pressure across Baghouse
- c. Module Status (On-line, Off-line, On-line Cleaning, Off-line Cleaning)
- d. Ash Hopper Isolation Valve Status (Open/Closed)
- e. Collector Bypass Valve Status (Open/Closed)
- f. Compartment inlet/outlet damper position (open/closed)
- g. Pulse Air Pressure
- ~~h. ID Fan Inboard and Outboard Bearing Temperature~~
- ~~i. ID Fan Inboard and Outboard Bearing Vibration~~

12. Edit the following in Section 11500:

**1.5.2.1 Bag Life Warranty**

Establish a bag life warranty alliance between the baghouse manufacturer or his bag supplier, and the Owner to:

- a. Develop a program for the periodic inspection and testing of bags to evaluate the overall condition of the bags and estimate the remaining life.
- b. Develop a streamline program for the timely replacement and installation of defective or failed bags covered under the warranty.
- c. Establish a formula for defining the actual baghouse operating time.

Ensure the baghouse manufacturer or his bag supplier, provides a 25,000 hour bag life warranty. The bag life warranty period shall be defined as actual operating hours, as agreed upon in the bag life warranty alliance.

~~1.5.2.2 Optional Bag Life Warranty~~

~~Provide price increments for bag life warranty options of 25,000 and 45,000 hours. This information shall be submitted with the cost data in the Bid Data.~~

13. Reference Item 10 in Amendment 0004 --- If all work "items fall within the 5-foot line" are you going to delete bid Item No. 0003 on page PS-1? Are you going to revise bid Item No. 0002 (pg. PS-1) to something like the following?: "Construct CHPP Baghouse, site work and utilities, complete."

The 5-foot line applies to all new and modified structures in the contract. Everything outside the 5-foot line for these new and modified structures shall be included in the proposal as part of bid item No. 0003. of the various structures impacted by this project. For example, Sheet C2.1 shows that there will be work outside the "5-foot lines" such as: site work and paving to each end of the ash silo, sidewalks to be demolished and replaced, and so forth.

14. Reference Item 6 in Amendment 0004 --- The last sentence ("See request for clarification, question 2.") in your answer doesn't make sense. Please clarify.

One of the questions posed in Item 6 in Amendment 0004 --- 'Is there a preliminary Design Analysis that has already been issued? Can it be provided for reference?' was answered previously in Amendment 2. The response to question 2, Questions for Clarification, Amendment 2 is as follows: "There is a design analysis (DA) that was prepared to support preparation of the RFP. The conclusions drawn in the DA are reflected in the RFP. The successful offeror shall be required to provide his/her own Design Analysis as part of the design after award process. As such, the DA developed as back-up for the RFP will not be made available.

15. Reference Item 9 in Amendment 0004 --- Can we have three to four working days after proposal due date to submit the catalog cuts or will the contractor be allowed to change the manufacturers that were submitted with the proposal?

Additional time for the submission of catalog cuts will not be allowed. If it is found that a product offered by a manufacturer other than the one submitted in the proposal is required due to the results of the design analysis after award, then an alternate product and/or manufacturer may be selected provided that the alternate product meets or exceeds the level of quality submitted in the original proposal.

16. Please clarify the following sections which are found in Section 00100, Tab C - 'Furnish manufacturers catalog data on equipment to indicate type of equipment, size or capacities, manufacturer, and model number to be used in this project. Originals of manufacturer's catalog or quality laser copies should be submitted where photocopies may not be legible. Material presented in this Tab will be one means of establishing the level of quality to be expected by the government.... 8. Provide outline

specifications for all divisions and sections encountered, indicating adequate information to establish the level of quality to be expected by the government.'

Manufacturer's catalog data is only required for critical pieces of equipment. For example, data for the baghouse, ID fans, mixers, unloaders, crane, and equipment of similar magnitude should be included as part of the proposal. The catalog data are evidence of the offerors understanding of the project requirements and the level of quality that will be provided.

Only an outline, i.e. a listing of specifications that will be submitted in their entirety after award, shall be provided.

17. Reference section 01451-3.4.2 (pg. 6) Please review CQC System Manager education requirements. Other engineering degrees or Construction Management degrees with the appropriate experience are quite capable of handling this position. In fact there are people that do not have degrees, but have the training and experience to handle this position. Please allow other capable personnel to be employed in the position.

Due to the fact that the systems in this project are primarily mechanical, it was determined that the CQC System Manager shall have a mechanical engineering degree in order to provide a high quality product for our customer. This section will be edited to reflect that the CQC System Manager shall have a bachelor's degree with seven years construction experience as minimum qualifications.

18. Reference Specification Section 11215, ID Fans, Article 1.5.b.2 - This indicates that the noise requirement for the ID fans is 55 DBA for Far Field. Also, these fans are indoors and usually the term "Far Field: is at 400' and is used for equipment that is outdoors. Is this Far Field requirement applicable for the indoor fans? If so, please define what "Far Field" means in terms of distance (i.e. feet).

The far field noise requirement specified in the design criteria is intended for outdoor purposes, and does not apply to the fans (the indoor design criteria that follows specifies that the equipment must meet Occupational Safety and Health Administration [OSHA] requirements).

19. Reference Specification Section 11215, article 2.2.1 states that the ID fan motors shall meet the requirements of attached Specification GEM-200, NEMA Frame Motors. Document GEM-200 NEMA Frame Motors, Article 1.2.1 states "This specification covers polyphase and single-phase, squirrel-cage induction motors having frame size 449T and smaller". Frame size 449T corresponds to a motor no larger than a 200 HP motor. The fan motors for this project will be 400 HP. This would indicate that document GEM-200 NEMA Frame Motors may not contain the correct requirements for a 400 HP motor. Also, note that Article 3.8.1 only gives criteria up to a 200 HP motor. Please advise if the requirements given in this document are to be used for this project or if there is a different document that covers 400 hp motors that should be used.

Specification GEM-200 was inadvertently referenced and included with this Section. Please use instead Specification GEM-100 (attached), which applies to motors larger than 200 hp.

20. Refer Specification Section 01321 Page 2 Part 1 Section 1.1 - The last sentence states: "No additional boilers will be released to the contractor until the first boiler is operational and accepted by the Government." Page 3 Paragraph c states: "1 April through 30 September: Not more than two boilers may be down for maintenance availability." Is it the Government's intent to release two boilers for upgrades after the first boiler is accepted if the time frame is between April and September, or is the intent to only release one boiler at a time after the each boiler has passed the emission test?

You will be permitted to have two boilers down at the outset if work is begun and completed between April and September. You cannot move to the next boiler, or set of boilers, until the previous one(s) have been accepted. As stated in 01321, you may not have more than two boilers down at any one time from April - September and you may not have more than one boiler down from October - March.

21. Reference Relocation of Switchgear: Please confirm that the Contractor's work scope is defined in the following bidding documents:

Drawing E2.1	Sheet Notes # 2, 3, 6
Drawing E2.2	Sheet Notes # 2, 3, 5, 6, 8
Drawing E4.1	Sheet Notes # 3, 4, 5
Drawing E4.2	Sheet Notes # 3, 4, 5, 6

Specification Section 01321, Article 1.4

22. Are there any other requirements or time frames regarding the change-over of the Switchgear building with the electric feeds to the existing generator modules?

Drawings and specs identified define the minimum requirements for the switchgear building. In addition, the main breakers serving the four diesel generators east of the plant and a motor control center serving boilers #1 and #2 are contained in the Switchgear Building.

A minimum of two of the diesel generators shall remain connected to the plant, either by permanent or temporary means, at all times during construction.

Power to Boilers #1 and #2 may be disconnected for no more than one six-week outage. Any such disconnection must be coordinated well in advance with the plant superintendent and shall begin some time after 31 May, but before 15 August.

23. Spec section 01500, 1.2.1 states, "Unless otherwise provided in the contract, the amount of each utility service consumed shall be charged to or paid for by the contractor". Spec section 15556, 3.16.1 states that electricity, steam, and water will be furnished by the government. Although this is for the pressure testing, it should also be true for the entire project. Can we assume that electricity, steam and water will be

provided by the government for the entire project duration? Please advise.

The contractor will not be charged for electricity, steam, and water for the entire project duration.

24. The face area of the Combustion Air Preheat Coil could be insufficient for full flow of combustion air.

The coil is only used for start-up pre-heat, and therefore 100 % of total design combustion air does not need to pass through the coil. The boiler will be firing at less than 25% of capacity during start-up.

25. Do you have a Fiberglass filter bag construction specification, such as filter seam construction, cuff bottom and top construction.

Specifications shall be the responsibility of the successful offeror and shall meet the minimum requirements identified in the RFP.

26. It is noted in the Baghouse Collector System section 2.3.1 that there is 30 modules. 6 systems, each containing 4 modules only calculates to 24 total compartments. Please clarify.

Mechanical drawings (various) indicate the anticipated number of modules.

27. In what section is the installation schedule for each of the 6 Boilers systems. Can the tie-in be all the same time, or will this have to be staggered after each boiler is operational.

Section 1321 identifies constraints associated with boiler down time. i.e. two boilers during the summer and one boiler during the winter. Because of these constraints, tie-ins cannot be all at the same time. The offeror is required to submit a schedule as part of the proposal to show how this will be accomplished.

28. Are there any cases where electric heat should be used instead of glycol?

Glycol heat is the preferred heating system, however the government will entertain electric heat if it makes the most sense for a particular application.

29. Clarify what the hot water heating solution should be?

Solution should be 60% ethylene and 40% plain water.

30. Amendment 0004, Question 45 directed the contractors to the Plant Personnel or Base Outside Electric Shop. Who is the point of contact?

The point of contact is Mr. Bill Havard at (907)377-3151 or the Shift Engineer at (907)377-1275.

### **Narrative Amendments**

Change Specification Section 01451-3.4.2 to the following: 'The CQC System Manager shall hold a B.S degree in Mechanical Engineering and have ~~be a graduate mechanical engineer with~~ a minimum of 7 years construction experience on construction similar to this contract.

**SPECIFICATION NO.: GEM-100**

**SPECIFICATION NAME: LARGE ELECTRIC MOTORS**

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- 6.0 DOCUMENTATION
- 7.0 SUPPLEMENTS



## **1.0 GENERAL**

- 1.1 CAUTION: Due to ambient temperature and/or service altitude, this Specification may require nonstandard motors.
- 1.2 Motors shall be furnished in accordance with this Specification. This Specification covers squirrel cage and wound rotor induction of polyphase ac motors larger than frame size 449T.

## **2.0 REFERENCES AND STANDARDS**

The motors furnished shall be designed and manufactured in accordance with the latest applicable NEMA, IEEE and ANSI Standards. In particular, these motors shall meet all current requirements of ANSI Standard C50.41 except where countermanded by this Specification.

## **3.0 DESIGN AND CONSTRUCTION / FABRICATION**

### **3.1 General**

- 3.1.1 The Seller shall complete items as required. The data shall be subject to the Engineer's approval.
- 3.1.2 Each motor furnished shall be a complete assembly. Installation of the motor shall require only setting in place, coupling to the driven equipment and making power and control cable connections.
- 3.1.3 When motors are factory assembled and coupled to the driven equipment, installation of each unit assembly shall require only setting in place and making power and control cable connections.

### **3.2 Service Conditions**

- 3.2.1 All motors shall operate successfully at their design load horsepower at the ambient temperatures and altitude specified.
- 3.2.2 All motors shall be designed and constructed to withstand the environmental conditions specified in the Supplements.



### 3.3 Ratings

#### 3.3.1 Horsepower

The nameplate continuous horsepower rating shall be equal to or greater than the maximum brake horsepower required by the driven equipment over its design range. Service factor ratings higher than 1.0 shall not be used to meet this requirement unless otherwise allowed.

#### 3.3.2 Service Factor

Unless specified otherwise, all motors shall have service factors of 1.0

#### 3.3.3 Torque and WK<sup>2</sup>

3.3.3.1 All motors shall have characteristics suitable for the torque and WK<sup>2</sup> characteristics of the driven equipment when the driven equipment is operating as specified. Also, see Paragraph 3.3.6.5.

3.3.3.2 Unless specified otherwise or if another design is required by driven equipment load characteristics, all induction motors shall have a torque characteristic similar to either NEMA Design B or NEMA Design C. Other torque characteristics for special application shall be approved by the Buyer.

#### 3.3.4 Temperature Rise

The motors furnished shall have a temperature rise suitable for the site conditions. Temperature rise shall normally be based upon measurements by resistance. For motors equipped with embedded detectors (resistance elements or thermocouples), these shall be used for the rise rating and shall be used to verify conformity with the Standards.

#### 3.3.5 Voltage and Frequency

3.3.5.1 Motors shall be rated as required. Permissible voltage and frequency variations shall be in accordance with NEMA Standard MGI and ANSI Standard C50.41.

3.3.5.2 Motors shall be capable of producing satisfactory operation of their driven equipment during short-time (up to one minute) dips to 75% of rated voltage.

### 3.3.6 Starting

- 3.3.6.1 All motors shall be designed for full voltage starting. Full voltage starting equipment will be furnished by others, unless specified otherwise. If the driven equipment is designed to utilize reduced voltage starting, or if variable speed and/or torque control is required, the driven equipment manufacturer shall furnish suitable starting and control equipment in accordance with the requirements of this Specification and the Supplements.
- 3.3.6.2 Motor starters and control equipment, if supplied, shall be for mounting in locations suitable for the type of environment specified. All starting equipment shall be fully described in the Bidder's Proposal, complete with manufacturer's catalog data and descriptive bulletins.
- 3.3.6.3 Motor starting current shall not exceed 6.5 times full load current. The number of successive starts for which each motor is designed shall be in accordance with NEMA Standards and ANSI Standard C50.41 unless otherwise specified.
- 3.3.6.4 Unless specified otherwise, all induction motors to be furnished shall be capable of starting and accelerating their driven equipment to full speed with 80% of rated terminal voltage applied, following continuous operation, without injurious heating or appreciable loss of service life.
- 3.3.6.5 The induction motor damage time for locked rotor conditions at rated voltage shall be not less than the motor/load accelerating time with 80% of rated terminal voltage applied.

### 3.3.7 Power Factor, Synchronous Motors

The power factor for synchronous motors shall be unity unless otherwise specified.

## 3.4 Enclosures

The types of enclosures required to be furnished for the motors are specified elsewhere.



### 3.5 Insulation and Windings

- 3.5.1 The insulation of all motors shall be Class B or F. The insulation shall be suitable for the environmental and operating service conditions specified.
- 3.5.2 All motor windings shall have sealed insulation system produced by a vacuum pressure impregnation process. All stator winding treatments and finishes including final finish shall employ only clear, non-pigmented resins and varnishes.
- 3.5.3 The stator winding and end turn connections shall be fully braced to withstand repeated full voltage starts without loosening.
- 3.5.4 Induction motors shall be braced for an occasional transfer from one source to another within a dead-bus transfer time not exceeding six cycles.

### 3.6 Vibration

- 3.6.1 The motors shall operate without exceeding the vibration limits specified in NEMA Standards MG1-12.05, and ANSI Standard C50.41.
- 3.6.2 The vibration of the motor shall not exceed 1.5 mil double amplitude in any direction at synchronous speed measured on the shaft.

### 3.7 Noise

Motors shall operate within sound levels noted in equipment specifications.

### 3.8 Bearings

- 3.8.1 Unless antifriction bearings are required for a particular applications, all motors shall be furnished with split-sleeve oil lubricated bearings, oiling rings and adequate oil reservoirs. At least one bearing shall be insulated to prevent shaft currents. Antifriction bearings shall meet the requirements of ANSI B3.15 for ball bearings or ANSI B3.16 for roller bearings.
- 3.8.2 Motors with sleeve bearings shall be coupled to the driven equipment with limited end play couplings. Motor rotor end play shall be in accordance with NEMA Standard MG1-20.81.
- 3.8.3 Vertical motors shall be equipped with plate type up-thrust and down-thrust bearings and oil-lubricated split-sleeve lower guide bearings suitable for the speed and thrust conditions of the driven equipment. If the above bearing systems are impractical for use, special antifriction bearings may be used. Antifriction thrust bearings shall meet the requirements of Paragraph 3.8.4. below. Maintenance of antifriction thrust bearings will be an evaluation consideration. Thrust bearings shall be insulated on all vertical motors.
- 3.8.4 Antifriction thrust bearings for vertical motors shall be of a grade such that they will have a minimum L-10 rating life of 35,000 hours and a median life (L-50) of 175,000 hours as rated by AFBMA system.



- 3.8.5 Antifriction bearings for horizontal motors used in direct coupled applications shall be of a grade such that they will have a minimum L-10 rating life of 60,000 hours and a median life (L-50) of 300,000 hours as rated by AFBMA system.
- 3.8.6 Self-lubricating bearings are preferred. However, force-feed oil lubricated bearings may be proposed and used if approved by the Buyer. The required oil system ancillary equipment shall be provided for the approved alternate bearing system. Motors with force-feed oil lubricated bearings shall be supplied with oil rings (horizontal motors) and reservoir adequate to allow safe start-up and emergency shutdown. All lubricating oil cooling equipment required shall also be furnished with glass sight oil gages for instant visual checking of oil level and marked to indicate normal level. Horizontal motors with oil-lubricated bearings shall be furnished with a transparent window for oil ring inspection.
- 3.8.7 Bearings shall be properly shielded to prevent leakage of lubricant or entrance of foreign matter along the shaft or through the bearings.
- 3.8.8 All sleeve bearings shall be lined with high tin content babbitt for hardness to provide maximum resistance against wear.

### 3.9 Terminal Boxes

- 3.9.1 Type I boxes, as defined in ANSI C50.41, shall be furnished unless Type II are specified or considered more suitable by the manufacturer for the application. The terminal box sizes shall be increased to provide space for window-type current transformers and/or surge capacitors and arrestors where these are specified under Paragraph 3.11 herein.
- 3.9.2 The terminal boxes shall be designed for installation in any position in 90° steps from the bottom entry vertical position.
- 3.9.3 Separate terminal boxes or approved conduit fittings shall be furnished for terminating all heater, thermocouple, thermostat, RTD, current transformer, etc., wiring as required. Wiring shall be terminated with ring type connectors on washer-head screw terminal blocks.
- 3.9.4 The motor terminal box shall contain an internal bolt type grounding lug suitable for stranded copper cable size No. 1/0 through 4/0 AWG. The lug shall be welded or brazed in one of the corners of the box furthest from the conduit entrance.
- 3.9.5 All terminal boxes shall be of a NEMA enclosure design suitable for the environment in which the motors will be operated.
- 3.9.6 A motor lead seal and separator gasket shall be provided between the motor frame and terminal box on all totally enclosed motors and all other motors specified to be installed in damp or outdoor areas.

- 3.9.7 Motor leads shall be fully insulated, fitted with lugs and provided with permanent identification within the terminal box.
- 3.9.8 All motors shall have their leads tagged and their nameplates stamped to indicate direction of rotation when a specified phase sequence is applied.

### 3.10 Painting

All motors shall be prime painted and finished painted in accordance with manufacturer's standards. Preferred colors are ANSI Z255.1 No. 61 or No. 70, light gray.

### 3.11 Accessories

- 3.11.1 All motors which have totally-enclosed or weather-protected enclosures shall be furnished with space heaters. Space heaters shall be furnished in open motors when required. Space heaters shall be of sufficient capacity to keep the motor windings and internal parts dry when the motors are not running. Heaters shall have chrome steel sheath strip, ring or disc elements.
- 3.11.2 Thermostatically controlled bearing oil sump heaters shall be furnished on all self-lubricating sleeve-bearings motors that may be subjected to a 32°F or lower ambient temperature.
- 3.11.3 All heaters shall be rated 240 volts single phase. The heater wattage requirements shall be determined on the basis of applied 120 volts.
- 3.11.4 The heater surface temperature at 110% of operating voltage and with a 40°C ambient temperature shall not exceed 200°C.
- 3.11.5 All weather-protected motors shall be furnished with reusable filters and guard screens. Filters shall be arranged to be readily removable for cleaning while the motor is in service.
- 3.11.6 Guard screens shall be of stainless steel or other approved corrosion-resistant material.
- 3.11.7 Motors specified as suitable for outdoor installation shall be conditioned for outdoor use with special attention to corrosion resisting finish of the metal parts and special bearing seals.
- 3.11.8 All totally-enclosed and explosion-proof motors shall be furnished with a stainless steel automatic drain-breather at the low point of the motor.
- 3.11.9 A weatherproof tag shall be provided and permanently attached to clearly identify the equipment the motor is to drive.
- 3.11.10 Motors with split-sleeve and/or plate type thrust bearings shall be furnished with bearing temperature thermocouples suitable for connection to monitoring equipment by others.



- 3.11.11 Motors rated 1,500 horsepower and larger shall be furnished with two embedded stator-winding 100 ohm platinum RTDs per winding. Motors rated less than 1,500 horsepower shall be furnished with stator winding thermostats, normally open or closed type.
- 3.11.12 Induction motors rated 3,000 horsepower and larger with speeds of 3,600 rpm or less shall be furnished with one internally-mounted window type current transformer in each winding lead pair for motor differential-current protection. The current transformers shall be 100/5 ratio and shall have a relay accuracy class of C25 or better.
- 3.11.13 All induction motors rated 4,000 volts and above which are larger than 4,000 horsepower at 3,600 rpm or are 3,000 horsepower or larger at slower speeds, shall be furnished with surge capacitors and arresters. The capacitors shall be rated 0.5 microfarad per phase for 4000v motors. The capacitors shall have voltage ratings suitable for the motor voltage. The capacitors shall be of sealed-type construction utilizing a non-flammable dielectric. No circuit protective devices shall be provided for capacitor protection. A convenient means shall be provided for disconnecting capacitors and arresters.
- 3.11.14 When surge capacitors are furnished, they shall be mounted in the high-voltage terminal box and connected to the high-voltage motor leads. The capacitor leads shall be as short as possible.
- 3.11.15 Motor leads shall be furnished with two-hole compression type terminal lugs similar to Burndy Type YA or approved equal.
- 3.11.16 Motor frames shall have two 1/2-13 tapped holes on 1-3/4" centers for equipment ground connection.
- 3.11.17 All motors shall be provided with suitable lifting devices or attachments for motor installation and removal.
- 3.11.18 Soleplates or baseplates shall be furnished for all motors.



### 3.12 Couplings

- 3.12.1 When specified as a couple type machine, the drive half of the motor shaft coupling shall be pressed on the motor shaft by the Vendor prior to shipment.
- 3.12.2 Motors equipped with sleeve bearings shall have end play limited by use of limited end float couplings to the extent to be in accordance with NEMA standard MG1 4.37.
- 3.12.3 The shaft position when magnetically centered, shall be scribed on the shaft, and a suitable permanent reference point shall be indicated on the bearing housing .

### 3.13 Nameplate

- 3.13.1 Nameplate data for induction motors shall be furnished in accordance with NEMA Standard MG1-20.60 and ANSI Standard C50.41.
- 3.13.2 All pertinent and unique design parameters shall be shown on the nameplate.
- 3.13.3 All motors required to be approved for use in hazardous locations shall have the nameplate stamped with the Class, Group and operating temperature range for which they are approved. The temperature range shall be indicated by identification number shown in Table 500-2(b) of the latest edition of the National Electrical Code.
- 3.13.4 Direction of rotation shall be permanently marked on the motor if the motor is suitable for only one direction of rotation.

## 4.0 TESTING AND INSPECTION

- 4.1 Induction motors shall be given the manufacturer's standard and other tests to determine that they are free of mechanical and electrical defects. As a minimum, these tests shall include:
  - 4.1.1 Determination of locked-rotor current.
  - 4.1.2 Measurement of no-load running current.
  - 4.1.3 Measurement of winding resistance.
  - 4.1.4 High-potential test.
  - 4.1.5 Bearing inspection
  - 4.1.6 Measurement of air gap.
  - 4.1.7 Measurement of no-load running vibration.



4.2 For induction motors for which no electrical duplicate unit has previously been built, tested, and certified, quotations shall include the cost for conducting the following additional tests:

4.2.1 Full-load heat run.

4.2.2 Percent Slip.

4.2.3 Determination of starting characteristics including starting torque and locked-rotor current.

4.2.4 Determination of pull-out torque.

4.2.5 Speed-torque characteristic.

4.2.6 Measurement of vibration with motor at operating temperature.

4.2.7 Noise level.

4.3 Copies of all test reports shall be furnished to Purchaser.

## **5.0 PREPARATION FOR SHIPMENT**

Shipping requirements shall be as noted in procurement contract.

## **6.0 DOCUMENTATION**

6.1 Documentation shall be in accordance with Seller's Documentation Requirements and Documentation Requirements Form.

6.2 The Purchaser reserves the right to reject all illegible documents. Acceptable replacement shall be provided at no additional charge to the Purchaser.

6.3 The following curves shall be submitted for each motor specified. The curves shall be for both minimum starting voltage and rated voltage.

6.3.1 Current-time damage curves.

6.3.2 Speed torque curve.

6.3.3 Speed-current curve.

6.3.4 Speed-power factor curve.

## **7.0 SUPPLEMENTS**

7.1 The following supplements are part of this specification:

7.1.1 None.





SECTION 00100

PROPOSAL SUBMISSION REQUIREMENTS

**COST LIMITATION:**

The target ceiling for contract award for design and construction of the FY 03 Eielson Baghouse is \$20,000,000 based on funds available for this project. The Government cannot guarantee that additional funds will be available for award. Offerors are under no obligation to approach this ceiling.

**IMPORTANT NOTICE TO OFFERORS**

OFFERORS ARE ADVISED THAT A CONTRACT RESULTING FROM THIS SOLICITATION IS CONTINGENT UPON CONGRESSIONAL APPROVAL. PLEASE BE ADVISED THAT SHOULD CONGRESS NOT AUTHORIZE THIS PROJECT OR APPROPRIATE THE FUNDS THE SOLICITATION WILL BE CANCELLED.

IF THE SOLICITATION IS CANCELLED, ALL PROPOSAL PREPARATION COSTS WILL BE BORNE BY THE OFFEROR. THE GOVERNMENT WILL NOT REIMBURSE OFFERORS FOR THEIR COSTS ASSOCIATED IN PREPARING THEIR PROPOSALS.

**PRELIMINARY INFORMATION**

1. **REQUEST FOR PROPOSAL.** The Request for Proposal (RFP) for this solicitation, including plans and specifications (if any), will be issued on CD-ROM at no charge. Traditional paper copies will not be available.

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2. **BOND AMOUNT REQUIRED**

- a. Proposal Bond requirements are identified at Clause 52.228-1, Bid Guarantee (SEP 1996) in Section 00700. The proposal guarantee amount shall be 20 percent of the proposal price or \$3 million, whichever is less.
- b. Performance and Payment Bonding requirements are identified at Clause 52.228-15, Performance and Payment Bonds Construction (JUL 2000) at Section 00700. The Government may require additional performance bond protection when the contract price is increased. The increase in protection shall generally equal 100 percent of the increase in contract price. The Government may secure additional protection by directing the contractor to increase the penal amount of the existing bond or to obtain an additional bond.

- a. Performance & Payment Bonds

~~(1) Performance Bond & Payment Bond: Offerors are required to obtain and furnish a written letter of commitment from a good and sufficient surety. The obligation of the surety for each bond under the letter of commitment shall be equal to the contract price. The letter of commitment shall express the surety's willingness to provide the required bonding within 10 calendar days after notification that the need is transmitted to the surety by the contractor. The performance & payment bonds shall each equal one hundred percent (100%) of the contract price. (SEE Clause 52.228-15, Performance and Payment Bonds Construction (Jul 2000), Section 700)~~

~~(2) The Government may require additional performance bond protection when the contract price is increased. The increase in protection shall generally equal 100 percent of the increase in contract price. The Government may secure additional protection by directing the contractor to increase the penal amount of the existing bond or to obtain an additional bond. ....AM#5~~

### 3. SURETY REQUIREMENTS

- a. Corporate Sureties - Corporate sureties for bid, performance, and payment bonds must appear on the list contained in the Department of the Treasury Circular 570, "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and Acceptable Reinsuring Companies". Other requirements for corporate sureties are contained in FAR 28.202-1.
- b. Individual Sureties - If individual sureties are used for bond obligations, they must meet the requirements under FAR 28.203.

### 4. EQUIPMENT OWNERSHIP AND OPERATION EXPENSE SCHEDULE

Whenever a contract or modification of contract price is negotiated, the contractor's cost proposal for equipment ownership and operating expenses shall be determined in accordance with the requirements of paragraph SCR-29, EQUIPMENT OWNERSHIP AND OPERATING EXPENSE SCHEDULE, contained in the Special Provisions section of the specifications. A copy of EP 1110-1-8 "Construction Equipment Ownership and Operating Expense Schedule" is available for review at the US Army Engineers District, Alaska, Bldg. 2204 3<sup>rd</sup> Street, Room 50, Elmendorf AFB, Alaska or electronically at <http://www.usace.army.mil/inet/usace-docs/eng-regs/er.htm>.

### 5. INQUIRIES

Prospective offerors may submit inquiries concerning administrative and technical matters in writing to Susan Coyner, Contract Specialist, (907) 753-2838, Fax (907) 753-2544. All written inquiries should be addressed to U.S. Army Engineer District, Alaska, ATTN: Susan Coyner, CEPOA-CT-CM, P.O. Box 6898, Elmendorf AFB, AK 99506-6898. (e-mail: [susan.m.coyner@poa02.usace.army.mil](mailto:susan.m.coyner@poa02.usace.army.mil))

COLLECT CALLS WILL NOT BE ACCEPTED.

### 6. VISITORS TO ARMY AND AIR FORCE BASES

All vehicle operators are required to wear seatbelts. Violators will lose their driving privileges for 10 days on their first offense, 30 days on the second offense, and 6 months or longer on the third offense.

If a firm does not have a current pass to obtain entry to Eielson AFB or Elmendorf AFB, the firm may request a day pass using the following procedures:

~~Forty-eight (48) hours~~ Two working days prior to your meeting or delivery of proposal the firm must provide:

- a. The solicitation number
- b. The names of all person(s) in the vehicle
- c. ~~Their social security number(s)~~
- d. The name of their employer(s)

For EIELSON AFB access: The above information must be forwarded to Norm Sams by FAX at (907) 377-4377.

For ELMENDORF AFB access: The above information must be forwarded to Susan Coyner by FAX at (907) 753-2544 or electronically to [susan.m.coyner@poa02.usace.army.mil](mailto:susan.m.coyner@poa02.usace.army.mil). Please allow enough time to submit your proposals due to changes in the base access requirements for security reasons.

State that this is a request for a DAY PASS and the solicitation number. Requests forwarded after the ~~48-hour time specified time~~-frame will not be considered. No public telephone service is provided at the Boniface or Eielson Main Gates.

On the DAY OF entry, the driver must go to the Boniface gate at Elmendorf or the Eielson Main Gate and provide:

- a. Valid driver's license

- b. Proof of current insurance
- c. Proof of current IM certification
- d. Current vehicle registration.
- e. Please inform the security police that you are on the list for a DAY PASS.

**7. FACSIMILE PROPOSALS**

Facsimile proposals or modifications will not be accepted.

**8. PICK-UP SERVICE FOR TELEGRAPHIC AMENDMENTS**

The US Army Engineers District, Alaska, does not provide pick-up service for telegraphic amendments.

**9. PERFORMANCE OF WORK BY CONTRACTOR**

Your attention is invited to SPECIAL CLAUSE 21 entitled "PERFORMANCE OF WORK BY CONTRACTOR". Unless submitted with the proposal, the successful contractor must furnish the Contracting Officer within 30 days after award a description of the work, which he intends to perform with his own organization (e.g. earthwork, paving, brickwork, or roofing), the percentage of the total work this represents and the estimated cost thereof.

**10. EXCLUSION OF DEBARRED AND SUSPENDED CONTRACTORS**

By entering into this contract, the Contractor certifies that neither it, nor any person or firm who has an interest in the Contractor's firm, is a person, or firm ineligible to be awarded Government contracts by virtue of being suspended or debarred in accordance with FAR subpart 9.4.

**11. PRE-PROPOSAL CONFERENCE / SITE VISIT**

A pre-proposal conference and site visit will be conducted 17 October 2002 beginning at 10:00 AM in the basement conference room of 2258 Central Avenue, Eielson AFB. Offerors wishing to attend will be required to provide their request for access with their full name, social security number, company name, and telephone number to Norm Sams, Resident Engineer, Eielson Resident Office by FAX at (907) 377-4377 by close of business 14 October 2002. Personal and vehicle identification will be required to pass security at the gate at Eielson AFB.

Questions submitted at least two days prior to the proposal conference/site visit will be answered at the conference. Submit questions to Susan Coyner, electronically to [susan.m.coyner@poa02.usace.army.mil](mailto:susan.m.coyner@poa02.usace.army.mil) or FAX (907) 753-2544. Minutes of the conference will be recorded and distributed to all contractors as an amendment to this RFP regardless of whether or not they attend the pre-proposal conference.

Prospective offerors are advised to visit the work site to ascertain the degree of difficulty expected in avoiding existing features, and other factors affecting the work. Any difficulties arising during performance of work that would have been evident at such a prior inspection will not be considered to be a result of differing site conditions.

**12. PRE-AWARD SURVEYS.** The Government reserves the right to conduct a pre-award survey of any firm under consideration to confirm any part of the information furnished by the offeror, or to require other evidence of managerial, financial, technical, and other capabilities, the positive establishment of which is determined by the Government to be necessary for the successful performance of the contract.

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**13. PARTICIPATION OF COMMERCIAL FIRM(S)**

- a. The following firm(s) may provide administrative support during the source selection process. This firm will be authorized access to only those portions of the proposal data and discussions that are necessary to enable them to perform their respective duties. The firm(s) shall be expressly prohibited from competing on the subject acquisition and from proposal evaluation, scoring, ranking, or recommending the selection of a source:

FIRMS: PDC, Inc. Consulting Engineers  
Harris Group, Inc.

- b. Pursuant to Federal Acquisition Regulation (FAR) 9.505-4, individuals involved in this acquisition whose duties expose them to proprietary information generated in an offeror's proposal will be required to sign a nondisclosure agreement. This agreement states that, while performing their duties related to the source selection process, they will: (1) protect the offeror's information from unauthorized use or disclosure for as long as it remains proprietary and, (2) refrain from using the information for any purpose other than that for which it was furnished

GENERAL REQUIREMENTS. ...AM#5...

**PART I. WHO MAY SUBMIT:**

A. Firms formally organized as design-build entities, design firms and construction contractors that have associated specifically for this project, or any other joint venture or sub-contractor. In the latter case, a single design firm or construction contractor may offer more than one proposal by entering into more than one such association. For the purposes of this solicitation, no distinction is made between formally organized design-build entities and project-specific design-build associations. Both are referred to as the design-build offeror (or simply "offeror") or the design-build contractor (or simply "contractor") after award of a contract.

B. Joint ventures are encouraged to apply. However, they must complete the following:

1. Obtain a Tax Identification Number (TIN) as a joint venture.
2. Prepare the Reps/Certs as a joint venture (For example, provide the TIN of the joint venture. Do not use a TIN from one of the parties of the joint venture.)
3. All parties to the joint venture must sign the proposal.

Joint ventures are advised that if they are the successful proposal, they must be registered in CCR as a joint venture. We advise the they begin this process when they prepare their proposal in order to ensure this registration is in place should they be selected for the award. "Lack of registration in the CCR database will make an offeror ineligible for award." (Reference Solicitation Clause 252.204-7004, Required Central Contractor Registration)

**PART II. ONE-STEP REQUEST FOR PROPOSAL (RFP) PROCESS**

- a. The U.S. Army Engineer District, Alaska, intends to solicit this requirement using the source selection procedures in accordance with the provisions set forth in this Request for Proposal (RFP). A firm fixed price construction contract will be awarded to the offeror who submits a proposal determined to be the best value and is most advantageous to the Government, with price and other factors considered.
- b. For this contract, the Government intends to award without discussions. However, the Government reserves its right to conduct discussions with those offerors in the competitive range if it is deemed necessary.
- c. Limited exchanges with offerors may be conducted for clarifications. A competitive range may be established for conducting discussions.
- d. The process used for this solicitation will be a one-step Request for Proposal (RFP) wherein offerors will be evaluated and selected from the following criteria:
  - Experience
  - Past performance
  - Organization and Management
  - Design Narrative

- Proposed Schedule
- Proposed Equipment and Outline Specifications
- Subcontracting Plan and Small Business Participation
- Price

- e. Each criterion will be evaluated as a discrete factor. The final determination as to the overall value of any proposal will reflect the combined effect of having considered all criteria as a whole.

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**PART III. GENERAL PROPOSAL REQUIREMENTS ...AM#5...**

- a. The intent of this RFP is to solicit proposals for the design and construction requirements needed to install baghouse modules and upgrade the ash handling system at Eielson AFB as outlined in this RFP. Offerors shall perform sufficient design work prior to submitting proposals in order to verify quantities and costs. See section 00800 for additional information on Special Contract Requirements.
- b. Submit your proposal packages to the U.S. Army Engineer District, Alaska at the address shown in Block 8 of Standard Form 1442.
- c. The Government must receive your proposal no later than the time and date specified in Block 13 of Standard Form 1442.
- d. Submit your proposal in three volumes. Volume 1 contains your organization's experience and capacity to perform this work. Volume 2 contains your technical solution. Volume 3 contains the required pricing and ProForma requirements. Any drawings submitted for this project may be incorporated into Volume 2 or enclosed as a separate set with your proposal.
- e. All contractors will receive written notice if they were or were not selected for contract award. Contractors in the competitive range who were not selected for award will receive a stipend as per distribution shown in Section 00120.
- f. Proposal clarity, organization and cross-referencing is mandatory. The offerors shall sufficiently detail and clearly define all items addressed in this Section (00100) Proposal Submission Requirements.
- g. Written portions shall be type written using not more than 6 vertical lines per inch in 8-1/2" x 11" format with three holes punched, in three ring binders. Schedules may be presented on 11" x 17" sheets folded to 8-1/2" x 11". The offeror shall label and tab their proposal consistent with the solicitation format index below. The proposal shall have table of contents for each proposal criteria as established in this Section (00100). Each page of the proposal shall have the page number on the bottom of the page starting with the first page to the last.
- h. Provide original and **two (2)** copies of all drawings and Volumes 1 and 2, and original and **one (1)** copy of Volume 3. ...AM#5... Provide one (1) copy of all CADD files using AutoCad 2000 or later version on a Compact Disk. ...AM#5...
- i. Page limitations:

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1. Volume 1 shall not exceed 35 (Thirty-five) single-sided pages. Personnel resumes and performance evaluations located in Volume 1 are not counted in the page limits.
2. Volume 2 may be as many pages as required. Use of original product information or laser copied images is encouraged for clarity.
- ~~2.3. Volume 3 shall not exceed 35 (thirty five) pages. ...AM#5...~~

**PART IV. SPECIFIC PROPOSAL REQUIREMENTS**

## VOLUME ONE – ORGANIZATIONAL CHARACTERISTICS

Volume one is an opportunity for you to provide information on your team's past experience and performance, your capacity to perform work for this project, and your approach to certain aspects of design and construction. Present the material sequentially under the following Tabs, A thru C, to facilitate evaluation.

### TAB A: EXPERIENCE

Use the format specified in Part V, items 1 and 2 through 3.

- a. Contractor: Provide up to three (3) examples of projects, demonstrating relevant experience that are similar to this project in scope. Provide an explanation of how these projects are similar in scope and magnitude to the work required in this RFP. The example projects submitted should clearly demonstrate the Offeror's ability to provide quality construction, to coordinate critical interfaces of complex systems with other entities, to meet critical time constraints, and to satisfy the customer/owner. Emphasize previous experience where close coordination with plant operations personnel and phasing plans were required in order to keep the facility operational throughout contract duration.
- b. Design Firm(s): Provide up to three (3) examples of projects, demonstrating relevant experience, that are similar in scope to this project. Examples provided should include the primary A/E and may also include principal consultants as well. Provide an explanation of how these projects are similar in scope to the work required in this RFP.
- c. Team Experience: Provide up to three (3) examples of projects of recent and relevant experience in which the contractor, design firm, and/or subcontractors have worked together. Identify any projects that are similar to this project. Provide an explanation of how these projects are similar in scope to the work required in this RFP. Also, identify any design-build experience within and between your proposed team.

Relevant experience includes but is not limited to: design, construction, or significant repair to coal fired boiler plants, installation of full stream baghouse modules or similarly complex emission reduction systems, and/or projects having complex mechanical systems which demonstrate the contractor's ability to perform this task. The government will also consider how recently the project was completed to determine relevance.

### TAB B: PAST PERFORMANCE

Provide past performance information for each project listed under Tab A – Experience. Include this information for Prime Contractor, Design A/E, and any key sub-contractors. The offeror may use the Past Performance Evaluation Questionnaire included at the end of this section (00100) as a means to supplement the Past Performance requirement. This is especially useful if one or both parties has limited experience with government projects or wishes to highlight specific civilian projects. The government will review all available recent and relevant past performance data in its possession. The Offeror will be responsible for submitting the Past Performance Questionnaire to its customers in a timely manner.

### TAB C: ORGANIZATION AND MANAGEMENT

- a. Organization Chart: The Offeror shall submit an organization chart and a narrative describing how the organization will function in relation to this contract with emphasis on roles and responsibilities of each individual. The Offeror should include major subcontractors in the organization chart and provide in the narrative a description of the role of major subcontractors in the organization. Narrative should describe the Offeror's plan for resolving problems, coordinating major issues within the organization, and role of team members before and during construction.

- b. Key Personnel: Submit a resume for key personnel identified in the organization chart that clearly indicates their related experience. A resume form is provided at the end of this section but the format is not mandatory. The form may be reproduced and additional lines added if more space is required. The following individuals shall be identified:

1. Project Manager
2. Construction Superintendent
3. Safety Officer
4. Combustion Engineer
5. Contractor Quality Control Systems Manager (CQCSM)
6. Designer of Record for key disciplines (mechanical, civil, electrical, architectural, structural)

## **VOLUME TWO – TECHNICAL SOLUTION**

Volume two is an opportunity for you to provide your team's unique design and construction solution to accomplish the requirements of this project. Present the material sequentially under the following Tabs to facilitate evaluation.

### **TAB A: DESIGN AND CONSTRUCTION NARRATIVE**

Part I – Narrative. Present a narrative of your design approach, your technical design solution, and how they will be implemented through construction. The Offeror shall certify that its designs will comply with the most current regulations, standards and codes, or if deviating from the most current, explain the deviations and why they are required. The narrative shall include but not necessarily be limited to the following:

- Outline of the sections that will be included in the Offeror's design analysis (see Section 01012).
- Description of the design approach that will be used to complete the design of each of the design analysis sections. While design calculations are not required within a proposal, any design assumptions, engineering practices, limitations, site specific concerns, etc. that are included will be evaluated to determine the Offeror's understanding of the design requirements of this RFP.
- Description of how primary equipment is to be selected, space utilization, basic operation and maintenance, system controls, integration into existing power plant, etc.

Part II - Design Considerations. In addition to the design narrative, the offeror shall address the following points in its proposal:

- **Efficient Design:** Because induced draft (ID) fans operate continuously and constitute a major source of station power, systems that are designed to minimize ID fan energy use are considered superior. Discuss your approach to minimizing system pressure drop (ductwork, manifolds, baghouses, etc.) leading to lower operating cost.
- **ID Fan Efficiency:** Discuss the efficiency of the ID fans to be selected for this project.
- **Maintenance:** Identify maintenance access points in the various systems of this project and provide a narrative describing how this access will be incorporated into the design and maintained during construction of the facility. Equipment that is easily accessed for all levels of maintenance (routine preventive maintenance, programmed part replacement, and repair resulting from part failure) will be less expensive to maintain over the life of the facility.
- **Noise:** Noise within industrial facilities damages the hearing of operations staff. Provide a narrative identifying noise generating equipment and outlining any steps that will be taken to minimize or reduce noise in the facility.
- **Phasing plan:** Identify how you intend to incorporate the availability of boilers into an overall strategy for executing construction of this project. List any assumptions over and above constraints identified in the RFP.

### **TAB B: PROPOSED SCHEDULE**

a. Capability: Provide a narrative, describing your scheduling capability and planning organization. Address how you maintain, update and use your schedule. Describe the software you intend to use. The software must support the Corps of Engineers Data Exchange format in accordance with SCR-34.

b. Schedule: Submit a proposed preliminary schedule for design and construction. This schedule shall clearly state how it compares to the number of days stated in SCR-1. For consistency in proposals, offerors shall use an NTP date of ~~10 Jan~~ 14 February 2003 for this schedule (the actual NTP to the successful offeror may or may not coincide with this date). **Offeror shall acknowledge that he understands that the total contract duration proposed in this schedule will become contractually binding should that offeror receive the award.** In addition, the proposed schedule shall be used as the basis for development of the initial NAS as defined by SCR-20. Schedules or diagrams may be provided separately in a size that is easily read, but shall be bound and clearly labeled. The schedules shall be task oriented, indicating the number of calendar days, after notice to proceed, by which milestones are to be achieved. Offeror may use the method of his choice; however, schedules shall be graphically represented. Give special attention to the following features.

1. Show the design phase, including events associated with coordinating the design submittals and the proper handling of the review comments.
2. Show the construction phase for each major feature of construction. The schedule shall indicate the offeror's understanding of boiler availability within the allowable construction period.
3. Show O&M manual submission and required operator training.
4. Show turnover of the project. Identify any proposed phased Turnovers. Show turnover Inspections.
5. Show as-built submissions.
6. Constraints: Offeror must demonstrate the capability and flexibility to plan and schedule the complete project to meet the proposed contract completion date. Clearly identify any constraints on the schedules presented (e.g., labor or material availability, weather, interfaces with base utilities, etc.) indicate the anticipated critical path on the schedule.
7. Permitting Milestones.

### TAB C: PROPOSED EQUIPMENT & OUTLINE SPECIFICATIONS

Furnish manufacturers catalog data on equipment to indicate type of equipment, size or capacities, manufacturer, and model number to be used in this project. Originals of manufacturer's catalog or quality laser copies should be submitted where photocopies may not be legible. Material presented in this Tab will be one means of establishing the level of quality to be expected by the government.

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Provide outline specifications for all divisions and sections encountered, indicating adequate information to establish the level of quality to be expected by the government. ...AM#5...

~~8. Provide outline specifications for all divisions and sections encountered, indicating adequate information to establish the level of quality to be expected by the government.~~

### TAB D: SUBCONTRACTING PLAN AND SMALL BUSINESS PARTICIPATION

Prepare a small business utilization plan ...AM # 35... in accordance with FAR-252.219. ...AM #5...3  
Subcontracting ...AM #5...3 Plan ...AM#53 may be submitted within ...AM#5... 48 hours two working days  
...AM#5... after the proposal due date. Proposals shall address the anticipated utilization of small businesses. List each group and goals for each small disadvantaged businesses, woman owned, hub-zone, veteran owned, and ...AM #53 service ...AM#53 disabled veteran owned.

### VOLUME THREE -PRICING

Organize the material sequentially under the following Tabs.

**TAB A: SECTION 00600**

Provide requirements of 00600 of this request for proposal. (Reps and Cert.)

**TAB B: PRE-AWARD SURVEY BANK REFERENCE**

Submit the Pre-Award Questionnaire form along with a letter from your financial institution confirming your firm's business and financial reputation, integrity, and ability to execute this contract. This letter must include information regarding any outstanding loans, past performance on loan payments, and general account information (for example, XYZ Corporation routinely maintains a checking balance in the six figures.).

**TAB C: PRICE INFORMATION**

The price information supporting the Technical Proposal shall be in the form of the proposal schedule contained in the front of this solicitation. The initial review of the Price Proposal will result in a determination as to reasonableness and affordability compared to the independent government estimate.

**PART V. FORMAT REQUIREMENTS FOR VOLUME ONE TABS**

**1. DESIGN / BUILD TEAM'S EXPERIENCE.** Use Separate Sheets for each Project

- A. Name of Project:
- B. Location of Project:
- C. Owner with Point of Contact and telephone number:
- D. General Scope of Construction Project:
- E. Construction Cost:
- F. Project Team members: Identify key designers and disciplines and construction team members and positions. Refer to Qualifications provided under Part V, Items 1 and 2.
- G. Dates Construction Began / Completed:
- H. Extent and Type of Work Subcontracted:
- I. Were You Terminated or Assessed Liquidated Damages? (If either is "Yes," attach explanation)

**2. CONSTRUCTION PRIME CONTRACTOR EXPERIENCE.** Use Separate Sheets for each Project

- A. Firm's Name:
- B. Name of Project:
- C. Location of Project:
- D. Owner with Point of Contact and telephone number:
- E. General Scope of Construction Project:
- F. Role (Prime, joint Venture, or Subcontractor, etc.) and Work Company Self Performed:

G. Construction Cost:

H. Extent and Type of Work Subcontracted:

I. Dates Construction Began/Completed:

J. Were You Terminated or Assessed Liquidated Damages? (If either is "Yes," attach explanation)

**3. PRIME DESIGN FIRM EXPERIENCE.** Use Separate Sheets for each Project

A. Firm's Name:

B. Name of Project:

C. Location of Project:

D. Owner with Point of Contact and telephone number:

E. General Scope of Construction Project:

F. Summary of Role in Design of this Project:

G. Estimated Construction Cost:

H. Dates Construction Ended:

I. Performance Evaluations (These will be attached by the Government when provided by past customers)

**4. DESIGN PERSONNEL.**

Provide the information listed below on separate sheets for each person showing qualifications of key personnel as required in Volume 1, Tab C. Use continuation sheets, if needed.

A. Name and Title:

B. Assignment on this Project:

C. Name of Firm:

D. Number Of Years: With this Firm/With other firms:

E. Education: Degree(s)/Year/Specialization:

F. Active Registration: Number/State/Year:

G. Specific Experience and Qualifications Relevant to this Project:

**5. CONSTRUCTION PERSONNEL.**

Provide the information listed below on separate sheets for each person showing qualifications of: Construction Project Manager, Construction Site Supervisor, Superintendent, Contractor Quality Control Manager and Safety Officer. Use continuation sheets, if needed.

A. Name and Title:

B. Assignment on this Project:

C. Name of Firm:

D. Number of Years: With this Firm/ With other Firms:

E. Education and/or special credentials and training:

F. Specific Experience and Qualifications Relevant to this Project:

**ATTACHMENTS**

1. OWNER/CLIENT PAST PERFORMANCE SURVEY
2. PROJECT EXPERIENCE FORM
3. RESUME FORM
4. SUBCONTRACTING PLAN

**OWNER/CLIENT PAST PERFORMANCE SURVEY**

The U.S. Army, Corps of Engineers, is interested in your assessment of the named company's past performance. "Past performance" refers to the company's record of conforming to contract requirements and to standards of good workmanship; the firm's record of controlling costs; adherence to contract schedules; history of reasonable and cooperative behavior and commitment to customer satisfaction; and the firm's general business-like concern for the interest of the customer.

These questions relate to the work performed

by \_\_\_\_\_  
(Name of Offeror)

at \_\_\_\_\_  
(Name and Location of Project)

**1. Is the information provided by the contractor in the Project Experience Form accurate and correct to the best of your knowledge and why? Yes / No. \_\_\_\_\_**

**Explanation:** \_\_\_\_\_  
\_\_\_\_\_

**2. How would you rate the performance of this Contractor on the subject project?**

**a. The company's record of conforming to contract requirements and standards of good workmanship**

Excellent    Good    Satisfactory    Fair    Unsatisfactory

**b. The firm's adherence to contract schedules including the administrative aspects of performance**

Excellent    Good    Satisfactory    Fair    Unsatisfactory

**c. The firm's history of reasonable and cooperative behavior and commitment to customer satisfaction**

Excellent    Good    Satisfactory    Fair    Unsatisfactory

**d. The firm's general business-like concern for the interest of the customer**

Excellent    Good    Satisfactory    Fair    Unsatisfactory

**e. The firm's price, in terms of initial price and control of changes or claims.**

Excellent    Good    Satisfactory    Fair    Unsatisfactory

**1. Comments.** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_ Title \_\_\_\_\_ Telephone \_\_\_\_\_

Fax \_\_\_\_\_ E-Mail Address \_\_\_\_\_

Date \_\_\_\_\_

**Return to: U.S. Army Corps. Of Engineer  
P.O. Box 6898 Attn: Contracting Division / Susan Coyner  
Elmendorf AFB, AK 99506-6898  
Ph: (907) 753-2549/2838 FAX: (907) 753-5624/2554**

**PROJECT EXPERIENCE FORM**

Provide a completed form for each project for which experience is being claimed. Submit only projects on which the offeror was the prime contractor and/or primary Designer.

Name of offeror \_\_\_\_\_

Work performed by Offeror [ ] and [ ] or by key subcontractor \_\_\_\_\_ and [ ] or [ ] design firm \_\_\_\_\_ (enter firm name and check "and" or "or" as applicable)

Was the project design-build? \_\_\_\_\_

Name of Project: \_\_\_\_\_

Location of Project: \_\_\_\_\_

Was Project a firm fixed price contract (Y/N)? \_\_\_\_\_ If No, what type was it \_\_\_\_\_

Brief Description of Project \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contract Amount at Award: \_\_\_\_\_ Final Contract Amount or Estimated Cost at Completion: \_\_\_\_\_  
Amount added by Modification: \_\_\_\_\_

Explanation of any Cost Growth \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Multiple Interim Schedule Milestones (to include scheduled start date): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Original Contract Completion Date: \_\_\_\_\_ Final Contract Completion Date: \_\_\_\_\_

Actual Completion Date : \_\_\_\_\_ Time added by Modification: \_\_\_\_\_

Explanation of any Late Finish: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Was the project terminated early or were cure/show cause letters received? \_\_\_ Yes \_\_\_ No

Explain early termination (default/convenience) or cure/show cause letters \_\_\_\_\_

Safety record: \_\_\_\_\_ Accidents, \_\_\_\_\_ Incidents, \_\_\_\_\_ Violations

List and explain any customer concerns or dissatisfaction. Explain how you responded.

---

What were the SDB, WOB and small business percent goals in the original contract?

SDB: \_\_\_\_\_ WOB: \_\_\_\_\_ Small Business: \_\_\_\_\_ HBCU: \_\_\_\_\_ HUBZONE: \_\_\_\_\_ MI: \_\_\_\_\_

What was the actual percent achieved at contract completion?

SDB: \_\_\_\_\_ WOB: \_\_\_\_\_ Small Business: \_\_\_\_\_ HBCU: \_\_\_\_\_ HUBZONE: \_\_\_\_\_ MI: \_\_\_\_\_

Extent and Types of Work Subcontracted.

---

Was the project owner an agency of the federal government? \_\_\_\_\_ Yes \_\_\_\_\_ No

Name, address, FAX and telephone number of the owner:

---

Name and telephone number of a representative of your firm who is knowledgeable of this project and can readily be contacted:

---

Name, address, FAX and telephone number of a representative of the owner who is knowledgeable of this project and can be readily contacted:

---

Name, address, FAX and telephone number of the Contracting Officer if project was for federal government:

**RESUME FORM**

Check applicable block.

**DESIGN PERSONNEL:**

Project Manager  Key Designer: Discipline \_\_\_\_\_

**CONSTRUCTION PERSONNEL:**

Project Manager  Site Supervisor  Superintendent  CQC Manager  Safety Officer

Name of Individual: \_\_\_\_\_

Employed by: \_\_\_\_\_

Number of years with firm: \_\_\_\_\_

Number of years as practicing professional in your current field \_\_\_\_\_

Education (degree(s)/year/ specialization):  
\_\_\_\_\_

Achievements, Special Recognition, and Honors:  
\_\_\_\_\_  
\_\_\_\_\_

Active Registration: Number/State/Year:  
\_\_\_\_\_

Experience: (most recent to earliest)

Project: \_\_\_\_\_ Company \_\_\_\_\_

Dates: From \_\_\_\_\_ to Present

Type of Construction or Design:  
\_\_\_\_\_  
\_\_\_\_\_

Duties & Responsibilities:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Project: \_\_\_\_\_ Company \_\_\_\_\_

Dates: From \_\_\_\_\_ to \_\_\_\_\_

Type of Construction or Design:  
\_\_\_\_\_  
\_\_\_\_\_

Duties & Responsibilities:  
\_\_\_\_\_  
\_\_\_\_\_

SUBCONTRACTING GOALS FY 2003~~2~~  
for the Alaska District Contracts  
...AM#5... (THIS PLAN MAY BE SUBMITTED WITHIN  
TWO WORKING DAYS 24 HOURS AFTER THE PROPOSAL DUE DATE) ...AM#5...

Small Business	61.4%
Small Disadvantaged	9.1%
Woman-Owned Small Business	5.0%
Veteran-Owned Small Business	3.0%
Service Disabled Veteran-Owned Small Business	3.0%
HUBZone Small Business	<del>2.5</del> 3.0%

1. SUBMIT YOUR PLAN IN THE ATTACHED FORMAT
2. Subcontracting Plans will be evaluated in accordance with FAR Clause 52.219-9 Alternate II and AFARS Appendix DD.

SUBCONTRACTING PLAN

FIRM \_\_\_\_\_  
\_\_\_\_\_

Sol. No. DACA85-02-R-0023  
Contract No. \_\_\_\_\_

PROJECT TITLE: CONSTRUCT BAGHOUSE

CONTRACT SPECIALIST RESPONSIBLE FOR PRE-AWARD: Susan Coyner 907/753-2838

NAME OF OFFICE ADMINISTERING CONTRACT TO INCLUDE SUBCONTRACTING PLAN: (If more than one office, name all offices/responsible parties): \_\_\_\_\_

I. Dollar Amounts (If possible, DO NOT include indirect costs):

- a. Total amount of contract \$ \_\_\_\_\_
- b. Total estimated amount of planned subcontracting dollars \$ \_\_\_\_\_  
...AM#5...
- c. Total dollars planned to be subcontracted to Small Business (including d., e., & f., g. & h. below) \$ \_\_\_\_\_ ...AM#5...
- d. Total dollars planned to be subcontracted to Small Disadvantaged Business \$ \_\_\_\_\_
- e. Total dollars planned to be subcontracted to Women-, Owned small business \$ \_\_\_\_\_
- f. Total dollars planned to be subcontracted to HUB-Zone small business \$ \_\_\_\_\_
- g. Total dollars planned to be subcontracted to Service Disabled Veteran-Owned small business concerns. \$ \_\_\_\_\_
- h. Total dollars planned to be subcontracted to Veteran-Owned small business concerns. \$ \_\_\_\_\_

II. Percentage goals (expressed in terms of percentage of total planned subcontracting dollars).

- a. Percentage of contract to be subcontract (lb divided by la) \_\_\_\_\_ %
- b. Percentage of subcontracting

- dollars to be subcontracted to  
Small Business  
(1c divided by 1b) \_\_\_\_\_ %
- c. Percentage of subcontracting  
dollars to be subcontracted to  
Small Disadvantaged Business  
(1d divided by 1b) \_\_\_\_\_ %
- d. Percentage of subcontracting  
dollars to be subcontracted to  
Women Owned small business  
(1e divided by 1b) \_\_\_\_\_ %
- e. Percentage of subcontracting  
dollars to be subcontracted  
to HUBZone small business.  
(1f divided by 1b) \_\_\_\_\_ %
- f. Percentage of subcontracting  
dollars to be subcontracted  
to Service Disabled-Veteran  
Owned small business.  
(1g divided by 1b) \_\_\_\_\_ %
- g. Percentage of subcontracting  
dollars planned to be sub-  
contracted to Veteran-Owned  
small business concerns.  
(1h divided by 1b) \_\_\_\_\_ %

1. State your firm's policy statement or evidence of **internal guidance to company buyers** recognizing commitment to Pub. L. 99-661, Section 1207, and Pub.L. 100-180, Section 806. Describe special emphasis placed on subcontracting with SDBs. Describe corporate and management commitment to meeting your subcontracting plan. **(HBCUs & MI are excluded from evaluation).**
2. Describe your firm's efforts to broaden SB, SDB, WOSB, HUBZone SB, Veteran-Owned SB, and Service Disabled-Veteran Owned SB active vendor base. Specifically describe your efforts in increasing subcontracts to SBs and SDBs for non-complex and general housekeeping supplies or services normally awarded to firms already in your firm's vendor base. Describe established plans to use competition restricted to SDBs and give details about how your firm will accomplish this. **(HBCUs & MI are excluded from evaluation).**
3. Describe your firm's "Outreach Efforts" to work with organizations to identify potential sources for items not traditionally awarded to SB, SDB, WOSB, HUBZone SB, Veteran-Owned SB firms and Service Disabled Veteran-Owned SB firms. And, your proposed plan to conduct reviews to determine the competence, ability, experience and capacity available in SB, SDB, WOSB, HUBZone SB, and Service Disabled Veteran-Owned SB firms and to provide them technical assistance. **(HBCUs & MIs are excluded from evaluation).**
4. Describe supplies and services to be subcontracted and planned for subcontracting to SBs, SDBs, WOSBs, HUBZone SB, Veteran-Owned SB and Service Disabled Veteran-Owned SB. Indicate intent to review major product/system components and key project elements of R&D, construction, service and spare parts contracts for subcontracting to each of the above elements. Specifically describe how your plan targets specific SBs, SDBs, WOSBs, HUBZone SB, Veteran-Owned SB and Service Disabled Veteran-Owned SB for review to determine their competence, ability, experience and capacity and identifies specific components or major portions of the acquisition for consideration of the above elements. Describe your firm's intent to work with

large business subcontractors for major subsystems or key project elements to ensure "flowdown" of this philosophy. **(HBCUs & MIs are excluded from evaluation).**

5. Describe your firm's efforts, based on results of efforts described in No. 3 and No. 4 above to ensure that opportunity to participate in acquisitions. Specifically, describe how the firm intends to evaluate its own SB, SDB, WOSB, HUBZone SB, Veteran-Owned and Service Disabled Veteran-Owned SB award performance and program effectiveness against the established goals, both company-wide and for individual plan being negotiated. Include SBs, SDBs, WOSBs, HUBZone SBs and Service Disabled Veteran-Owned SB by name as members of original team for providing major service or performing a significant portion of the effort. Additionally, how does your firm plan to establish long-range relationships with the above elements? **(HBCUs & MIs are excluded from evaluation).**

6. Your firms plan (in section I and II) will be evaluated on the development of percentage goals based on planned subcontracting which is challenging, yet realistic as stated in item # 6 of Appendix DD of the AFARS. **(HBCUs & MIs are excluded from evaluation).**

7. Past performance to the extent your firm has historically been successful in establishing realistic, yet challenging, goals and achieving them will be evaluated. In cases where there has been no previous defense contract history, your firm will not be penalized. **(HBCUs & MIs are excluded from evaluation).**

8. Regulatory and statutory requirements described in # 8 of Appendix DD must be included in your firms subcontracting plan and will be evaluated accordingly. If any of the subject elements are not complied with, your plan will not be approved and will be returned to your office for revision before the contract can be awarded. Included in the appendix are the following elements to include SB, SDB, WOSBs, HUBZone SBs , and Service Disabled Veteran-Owned SB firms. **(HBCUs & MIs are excluded from evaluation).**

- a) A separate goal for SB, SDB, WOSBs, HUBZone SB, Veteran-Owned and Service Disabled Veteran-Owned SB firms .
- b) A separate goal for the basic contract and, if applicable, each option.
- c) The name of the company employee responsible for administration of plan and employee's duties as follows:

The individual who will administer this firm's subcontracting program:

NAME _____	ADDRESS _____	
TELEPHONE _____		_____
		_____

Describe Description of duties: \_\_\_\_\_  
\_\_\_\_\_

- d) A statement affirming intent to comply with subcontracting "flowdown" provisions as follows:

This firm will include Clause 52-219-9(d)(9),

Assurances that the offeror will include the clause of this contract entitled "Utilization of Small Business Concerns" in all subcontracts that offer further subcontracting opportunities, and that the offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of \$500,000 (\$1,000,000 for construction of any public facility) to adopt a subcontracting plan that complies with the requirements of this clause. **(HBCUs & MIs are excluded from evaluation).**

- e) A statement affirming willingness to cooperate in studies and to provide reports as follows:

This firm will submit such periodic reports and cooperate in any studies or surveys as may be required by the Corps of Engineers, Alaska District or the Small Business Administration in order to determine the extent of compliance by the company with the subcontracting plan as follows:

This firm will submit Standard Form (SF) 294, Subcontracting Report for Individual Contract, and SF 295, Summary Subcontract in accordance with the instructions on the forms. The name, address, and telephone number of the office responsible for preparation and submission of the reports is:

I, the undersigned, a designated officer of \_\_\_\_\_ do hereby state that this firm agrees to carry out the Government's policy to provide the maximum practicable opportunity for small business concerns and small business concerns owned and controlled by socially and economically disadvantaged individuals to participate in the performance of this contract consistent with its efficient performance.

f) A statement that indirect costs are either included or excluded from the proposed goals and, and if included, how they will be prorated.

g) Description of efforts to ensure that SBs, SDBs, WOSBs, HUBZone SB, Veteran-Owned and Service Disabled Veteran-Owned SBs have an equitable opportunity to participate in the acquisition: **(HBCUs & MIs are excluded from evaluation).**

h) A recitation of the types of records maintained to demonstrate procedures adopted to comply with the requirements and goals in the plan as follows:

This firm will maintain the following types of records to demonstrate procedures which have been adopted to comply with the requirements and goals set forth in the plan. (Set forth here are the records to be maintained. In order to be considered acceptable, the records shall include at the minimum the following:)

- (1) SB, SDB, WOSB, HUBZone SB, Veteran-Owned, and Service Disabled Veteran-Owned SB lists, guides, and other data identifying vendors.
- (2) Organizations contacted or to be contacted for SB, SDB, WOSB, HUBZone SB, Veteran-Owned, and Service Disabled Veteran-Owned SB sources.
- (3) Record of all subcontract solicitations indicating on each solicitation (i) whether SB, SDB, WOSB, HUBZone SB, Veteran-Owned and Service Disabled Veteran-Owned SBs were solicited, and if not, why not.
- (4) Records to support other outreach efforts, to include the following: contact with minority and small business trade associations, contact with business development organizations, and attendance at small and minority business procurement conferences and trade fairs.
- (5) Records to support internal activities to guide and encourage buyers to include the following: workshops, seminars, training programs, and monitoring activities to evaluate compliance.
- (6) Records to support award data on a contract-by-contract basis submitted to the Government to include name, address, and business size of subcontractor.

**FIRM'S REPRESENTATIVE:**

SIGNATURE: \_\_\_\_\_

PRINTED/TYPED NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_ DATE \_\_\_\_\_

GOVERNMENT REVIEW

\_\_\_\_\_  
SIGNATURE – Contract Specialist

\_\_\_\_\_  
NAME & TITLE

**Deputy for Small Business (DSB) Review:**

1. Subcontracting Plan Received: Date: \_\_\_\_\_

2. Plan Returned to Contract Specialist / Deficiencies Noted: Date: \_\_\_\_\_

...AM#5...

3. Memo Recommendation to Contracting Officer: Date: \_\_\_\_\_ ...AM#5...

CONTRACTING OFFICER'S APPROVAL

\_\_\_\_\_  
SIGNATURE – Contracting Officer

\_\_\_\_\_  
NAME & TITLE

\_\_\_\_\_  
DATE

-- End of Section 00100 --

**SECTION 00120**

**EVALUATION FACTORS FOR AWARD**

**I. Initial Proposal Acceptability**

The Government will award the contract to the offeror of the proposal that represents the best overall value to the Government. Before a proposal will be considered for evaluation and subsequent award of contract, the offeror must assent to the terms and conditions in RFP Sections 0010 through 00800 without exception. The Government will exclude a proposal from further consideration if the offeror takes exception to any of the terms and conditions in RFP Sections 0010 through 00800.

**II. Proposal Evaluation**

The Government will evaluate the proposals of each offeror based on how well their proposal addresses each of the Factors listed below and described under the various Tabs (A, B, C, etc.) in Section 00100. The evaluation will determine the offeror's overall cohesive approach in assimilating these various elements for each Factor and subsection into a comprehensive, consistent, and concise proposal that meets or exceeds the Government's minimum requirements.

The Government will evaluate the compliance of each proposal on a pass or fail basis. No qualitative or scoring evaluation will be made, and offeror compliance will not be considered in the price/technical tradeoff. The Government will consider a proposal to be compliant if the offeror manifests its assent to the terms and conditions in RFP Sections 00010, 00600, 00700, 00800, without exception. The Government will consider a proposal to be noncompliant if the offeror takes exception to any of the terms and conditions in RFP Sections 00010, and 00600 through 00800 and such a proposal may be rejected.

**The Government intends to award the contract without discussion.** The proposal is therefore expected to be self-explanatory in addressing all of the required criteria.

**III. Factors For Evaluation**

Volume One:

- Experience (Tab A)
- Past Performance (Tab B)
- Organization And Management (Tabs C)

Volume Two:

- Design Narrative (Tab A)
- Proposed Schedule (Tab B)
- Proposed Equipment & Outline Specifications (Tab C)
- Subcontracting Plan and Small Business Participation (Tab D)

Volume Three

- Price Information (Tab C)

**Volume One Factors**

**EXPERIENCE**

This Factor contains the following three sub-factors: Prime Contractor Experience, Design Firm Experience, and Team Experience. In evaluating the proposals, the Government considers these sub-factors to be of equal importance. The Government defines experience as learning by doing. The Government will evaluate the depth and breadth of an offeror's experience on the basis of the number of times it has performed projects that were similar in nature, scope, and complexity to the work that will be required under the contract for which offers are solicited by this RFP. The more relevant and more recent experience that an offeror demonstrates, the higher the rating.

**PAST PERFORMANCE**

Areas of evaluation will include safety, quality control, timely performance, effectiveness of management, compliance with labor standards, customer ratings, termination/show cause, and cost/schedule growth. During past performance evaluation, the Government reserves the right to look outside of the proposals for past performance information of the offeror. The Government will consider information submitted by the offeror, as well as any other relevant and reliable information obtained from any other source (including information from Government personnel and databases such as the Construction Contract Appraisal Support System – CCASS and Architect-Engineer Contract Administration Support System - ACASS).

The Government will evaluate how recent and relevant the information is, the source of the information, general trends in performance, and appropriately factor the information into the evaluation. Information on significant problems encountered, customer dissatisfactions, and corrective actions taken should be provided. This comparative assessment of past performance is separate from the responsibility determination.

In the event an offeror lacks a record of relevant past performance, or if information from a client is not available, the offeror will not be evaluated favorably or unfavorably for past performance. Offerors shall be given an opportunity to address unfavorable reports of past performances if no opportunity to rebut the unfavorable report had previously been provided, and the offeror's response or lack thereof will be taken into consideration.

**ORGANIZATION AND MANAGEMENT**

This Tab contains the following two sub-factors: Organization Chart and Key Personnel. In evaluating the proposals, the Government considers these sub-factors to be of approximately equal importance.

(1) ORGANIZATION CHART: The Government will evaluate the offeror's organization chart and narrative for a clear description and demonstration of management style and effectiveness, ability to work with other members of the design and construction team (the owner, subcontractors, and agencies where required), and the ability to get the specified work done. The offeror's proposal should clearly identify the structure of the management organization, authorities and responsibilities, and demonstrate the effectiveness of management system to be utilized to provide a safe jobsite, a quality product, budget and schedule control, a functioning business partnership, and a satisfied customer. The government will also evaluate your approach to design coordination and review throughout the life of the contract and your approach to support during and after building turnover.

(2) KEY PERSONNEL: The Government will evaluate the resumes submitted for Key Personnel for a clear description and demonstration of the roles, responsibilities, and related experience of the key personnel in the organization and major subcontractors organizations including the following:

- Project Manager
- Construction Superintendent
- Safety Officer
- Combustion Engineer
- Contractor Quality Control Systems Manager (CQCSM)
- Designer of Record for key disciplines (mechanical, civil, electrical, architectural, structural)

The minimum experience desired for these individuals shall be demonstrated or a clear description provided of why the offeror thinks that the experience submitted is equivalent to or exceeds the desired experience specified in this RFP.

### **Volume Two Factors**

#### **DESIGN AND CONSTRUCTION NARRATIVE:**

The Government will evaluate the offeror's design and Construction narrative for accuracy, completeness and the offeror's overall cohesive approach in assimilating the requirements of Section 01010 and 01012 into a comprehensive, consistent proposal.

#### **SCHEDULE**

In the factor Schedule, the Government will evaluate the Schedule and Network Analysis or Gantt chart along with all additional required data showing the offeror's proposed schedule to ensure that the project can be completed within the specified time stated in SCR-1. The schedule shall be complete, reasonable, and realistic in order to evaluate the contractor's understanding of all construction requirements.

#### **PROPOSED EQUIPMENT & OUTLINE SPECIFICATIONS**

For the factor of proposed equipment and outline specifications, the government will evaluate the overall level of quality that can be expected based on the salient features of proposed equipment and quality and suitability of materials. The Government will evaluate the submitted outline specifications to determine the offeror's understanding of the listed elements and the approach to be used.

#### **SUBCONTRACTING PLAN AND SMALL BUSINESS PARTICIPATION**

Sub-factors, which are of equal value, are:

- (a) Proposed usage - Will be evaluated using the submitted subcontracting plan and in terms of whether the goals and commodities proposed are realistic and obtainable, as well as how closely they conform to the specified goals established in section 00100. In the event that offerors are unable to meet the specified goals, the difficulty in meeting the goal should be explained in their proposal and will be considered during proposal evaluation.
- (b) Usage on past contracts - Will be evaluated on how well the offeror was able to meet established subcontracting goals on past projects or an explanation of why the goals were not met.

If the offeror is a small business, ...AM #5... Veteran-Owned small business, ...AM #5... Service-Disabled Veteran-Owned small business, HUBZone small business, small disadvantaged

businesses, or women-owned small business, submission of ...AM #5... Volume II a subcontracting plan is not required. ~~offeror will be given full credit for this factor. ...AM #5...~~

~~...AM #5... The Government will evaluate each offeror's proposed subcontracting plan for the utilization of small businesses in accordance with AFARS Appendix DD. ...AM #5... The Government will evaluate the offeror's subcontracting plan to determine how well it meets the subcontracting goals for the Alaska District as set forth in section 00100. The subcontracting plan will be evaluated in accordance with procedures described in AFARS – Appendix DD attached at the end of . ...AM #5...this section, 001200. . ...AM #5.... Plans are not acceptable if they do not (a) Adequately address the six required statutory elements; or (b) Provide sufficient information to enable the contracting officer to answer affirmatively questions A through H of Appendix DD, Part 2, Number 8. Note: Offeror's must receive a score of 71 or greater on this factor to receive a Satisfactory evaluation. The subcontracting plan will, therefore, be considered as part of the technical evaluation. Those Offerors who are a small businesses, HUB zone small business, small disadvantaged business, veteran-owned small business and/or women-owned small business are automatically considered to have met this requirement. ...AM #5....~~

### **Volume Three Factor**

#### **PRICE**

Volume III, Tab C, Price, will not be point scored but will be subjectively evaluated to determine the reasonableness, affordability and value of the price. The Government will perform a price analysis by comparing the proposed prices to that of other offerors and to the Government Estimate. The base items (0001 and 0002) will be evaluated in the overall best value determination in accordance with FAR 52.217-5 below.

#### **IV. Relative Importance of Individual Evaluation Factors**

**Volume One.** For Volume One, the Government considers each of the Factors to be of approximately equal importance.

**Volume Two.** For Volume Two, all Factors are in descending order of importance.

**Volume Three** The Government will perform a price analysis comparing the proposed price to the independent government estimate and prices of other offerors. Price shall be evaluated for reasonableness and affordability.

**EVALUATION PREFERENCE:** All HUBzone businesses submitting as a prime contractor will be provided a price evaluation adjustment by adding 10 percent adjustment to all Offerors except from other HUBzone that have not waived the evaluation adjustment or otherwise successful offers from small businesses. HUBzones businesses must complete the Price Evaluation Preference form included previously and insert in Volume III of their offer.

**V. Relative Importance of Volumes.** The Government considers Volume One to be of equal importance to Volume Two. The overall rating of Volumes One and Two combined is significantly more important than Price (Vol. 3). The offeror should note that, under this scenario, price is not the most important factor for award.

#### **VI. EVALUATION OF OPTIONS**

There are no option items associated with the award of this contract.

**VII. The Determination of Best Overall Value**

In order to determine which proposal represents the best overall value, the Government will compare proposals to one another in a series of paired comparisons, trading off offerors' values based on their overall performance on the non-price factors. In comparing two proposals, if one member of a pair has both the better overall non-price value and the lower price, then the Government will consider that proposal to be a better value.

If one member of a pair has the better overall non-price value, but a higher price than the other proposal, then the Government's source selection authority will determine if the difference in non-price value is worth the difference in price.

If the source selection authority decides that the overall non-price value is worth the higher price, then the Government will consider the proposal with the better non-price value and the higher price to be the better overall value.

If the Source Selection Authority decides that the overall value is not worth the higher price, then the Source Selection Authority will continue to make paired comparisons in this fashion until he or she has identified the proposal that represents the best overall value. The contract will be awarded to the offeror with the best overall value.

**VIII. DISTRIBUTION OF STIPENDS**

A Stipend will be awarded to the top three rated offerors not receiving contract award. To receive a portion of the stipend fee each Offeror must submit a technical solution that meets the minimally acceptable design criteria stated in Section 01010 and submit the required documents for evaluation as outlined in Section 00100. Proposals that do not meet these criteria will be excluded from the stipend distribution. The distribution of stipends will be proportioned as indicated in the table below according to the number of offerors and the relative ranking of each Offeror as determined by the Best Value Analysis.

<i>Total # of Offerors</i>	<i>Winner</i>	<i>2<sup>nd</sup> Place</i>	<i>3<sup>rd</sup> Place</i>	<i>4<sup>th</sup> Place</i>
2	\$0	\$110,000		
3	\$0	\$65,000	\$45,000	
4	\$0	\$50,000	\$35,000	\$25,000

END OF SECTION 00120