

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES	
			J	1	5
2. AMENDMENT/MODIFICATION NO. 0004	3. EFFECTIVE DATE 30-May-2003	4. REQUISITION/PURCHASE REQ. NO. W33SJG-2326-9399		5. PROJECT NO.(If applicable)	
6. ISSUED BY CODE ESF US ARMY ENGINEER DISTRICT SAVANNAH ATTN: CT-P/EDWINA FRAYALL 100 WEST OGLETHORPE AVE SAVANNAH GA 31401-3640		7. ADMINISTERED BY (If other than item 6) CODE See Item 6			
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)			X	9A. AMENDMENT OF SOLICITATION NO. DACW21-03-B-0005	
			X	9B. DATED (SEE ITEM 11) 04-Apr-2003	
				10A. MOD. OF CONTRACT/ORDER NO.	
				10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE				
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> 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 <u>1</u> 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 ACKNOWLEDGMENT 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)					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
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 <input type="checkbox"/> is not, <input type="checkbox"/> 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.) SEE ATTACHED					
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 CONTRACTING OFFICER (Type or print)		
			TEL: _____ EMAIL: _____		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		30-May-2003	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

Solicitation Number DACW21-03-B-0005, Hartwell Governor Replacement Units 1-5 and Richard B. Russell Governor Replacement Units 1-8, is amended in the following respects:

A. TECHNICAL SPECIFICATION CHANGES: The revised and added sections listed below (Revised and Added by Amendment No. 0004) are hereby added to and made a part of the solicitation. Revised or added information is underlined and deleted information is struck out. Revisions can be located in the appropriate volume of specifications by searching for an asterisk and amendment number (i.e., *4).

Revised Sections

01101
16252
16253

B. CONTRACT DRAWINGS:

The Contract Drawings has been reformatted so they could be easily read.

C. CLARIFICATIONS TO CONTRACTOR PRE-BID QUESTIONS/ANSWERS:

1) Q: Are there any additional hydraulics schematic drawings available or for the cabinets?

A: These are all standard mechanical-hydraulic cabinet-actuator style units built by Woodward Governors. A copy of the original as-built and shop drawings will be available to the contractor after award of the contract.

2) Q: Item 2.3 pg. 157 Manual governor control to what extent does the Government want to be manual?

A: Manual governor control shall provide raise and lower control as a minimum, and comply with the requirements given. See revised Sections 16252 and 16253 paragraph 2.3.

3) Q: Item 2.2.5.2 pg. 136 A more detailed explanation is required?

A: The Government requires more information regarding this question. The Government response will be forthcoming by subsequent amendment.

4) Q: Is it the Governments interpretations that the 270 days (9 months) includes installation of equipment at R. B. Russell and if not, what is the installation schedule for basis of the proposal?

A: Yes. Based on estimate of 6 months for delivery and 3 months for installation.

5) Q: Reference Section 16252 and 16253 Item 1.1 of both Sections state "...The equipment provided under these specification shall be a type having and established reputation of five years or more for satisfactory and reliable operation..." Does this mean that qualification documentation is to be provided with contractor reply to the IFB?

A: Yes. See requirements listed under Descriptive Literature Clause 52.214-21(e)

6) Q: Is it the Governments intent that the equipment provided is to meet the specification, and the manufacture is to have provided speed governor equipment for hydro turbines, and that governors supplied meet or exceed the requirements of IEEE for stability, deadband and deadtime in addition to the requirements of the specification?

A: The requirements for governor performance are stated in 16252 and 16253 paragraph 2.1. There is no requirement to comply with standards in excess of the stated values.

7) Q: What type of protective housing or shroud should be provided for the gate position feedback transmitter (MLDT), if any?

A: An oil and drip-proof housing suitable for the conditions should be included in the contractor's design and proposal. See revised Sections 16252 and 16253 paragraph 2.4.

8) Q: Reference Section 16252 and 16253, Article 2.2.1 Speed Signal Generator. The second paragraph allows contractors to modify the existing PMG. Although it is not necessary to replace the PMG bearings to have a functional governor it has been determined that problems can be avoided if the PMG bearing are replaced during the governor replacement. Is the contractor required to provide and install replacement bearings for the PMG?

A: Yes. See revised Section 16252 paragraph 2.2.1.

9) Q: Reference Section 16252 and 16253, Article 2.2.5.7 Watts Transducer. This article indicates that a Watts transducer is to be supplied. Is it correct to assume the Government will use this signal to trip the generator breaker during a normal stop while unloading the unit, and if so will the Government also want to monitor generator vars during the unloading process before tripping the generator breaker?

A: Only a watts transducer is required under this contract.

10) Q: Is there a sufficient quantity of existing shielded twisted pair cables available in the powerhouse for use in connection of indicator specified in the article or is the contractor required included the cost of all new cables for indication?

A: No. Include new cables per Sections 16252 and 16253 paragraph 1.1.2, second sentence.

11) Q: If insufficient cables are available is the contractor required to provide wire from a batch that has been flame tested or is generic type testing flame testing certification to be supplied?

A: Requirements for flame testing are given in Section 16050, paragraph 2.2.10.2

12) Q: If new cables are required will the Government provide suitable plan and elevation drawings or length of run to the control benchboard in the control room prior to bid to allow estimation of length of cable runs required?

A: Yes. Additional reference drawings have been added under Amendment #4 indicating the layout of the powerhouse. Exact lengths of cables must account for variations in conditions from the original design and the current situation. The two bidder walk-throughs were provided for this purpose.

13) Q: Does the government require the supply of a laptop and programming software for each plant:

A: No laptop. Software shall be provided at each plant, see revised Section 16252 paragraph 1.1.3 and revised Section 16253 paragraph 1.1.4.

14) Q: Since the quantity, quality and content of drawings that may be effected by the governor replacement is unknown can the Government provide an estimate of the number of drawings that may be effected and will require modification: And if not, provide guidelines for estimating the quantity of hours to be included to make drawing modifications.

A: No. As-built drawings are to be furnished by the contractor. The government does not estimate the quantity of as-built drawings the contractor will need. Additional drawings are required for submittal and approval of the overall design and installation.

15) Q: Are the existing drawings available in cad (e.g., dwg, or .dxf) format?

A: Yes. They will be made available to the contractor after award.

16) Q: In the case of speed level, speed, gate position and limit remote indication does the Government require the contractor to furnish signal isolation amplifier or transmitters in the governor cabinet to provide signal isolation between the governor cabinet and remote meters?

A: Yes. See revised Sections 16252 and 16253 paragraph 2.15.

17) Q: If the existing meters are to be retained what is the signal required to drive the existing meters?

A: Replace all local and remote meters. See revised Sections 16252 and 16253 paragraph 2.13.1.

18) Q: Purpose/Intent of labor bid items?

A: The labor bid hours are included to provide a means of compensating the Contractor for the labor required to perform unanticipated work revealed during on-site installation of the Governors. This is work unknown at the time of award and therefore not definable in the IFB. See Section 15995 for details.

19) Q: What is the effective gate timing of all the units?

A:	OPEN	CLOSE
<input type="checkbox"/> RB Russell:	Units 1-4 8.8 sec	11.2 sec
	Units 5-8 9.18 sec	15.72 sec
<input type="checkbox"/> Hartwell:		

Manufacturers O&M manuals state that servo's must complete a full stroke in 5 sec under maximum operating conditions. Here are our most recent gate timing inspection report results in both the OPEN and CLOSED stroke:

Units 1-4 (Newport News)

OPEN (0-100%: 14 sec) CLOSE (100-0%: 12 sec)

Unit 5 (Voest-Alpine)

OPEN (0-100%: 15 sec) CLOSE (100-0%: 9 sec)

20) Q: Does contractor recover spares as part of demolition?

A: Contractor will be asked to retain, catalog and crate removed parts for shipment to other Corps of Engineers sites. In the event another Corps site does not desire recovered parts, contractor will be free to dispose/salvage. See revised Sections 16252 and 16253 paragraph 3.1.

21) Q: When are exciters and voltage regulators scheduled to be changed out?

A: The Government does not know the exact dates planned for changed out.

22) Q: Replacement of restoring cable, 1 transducer or 2?

A: 2. See Sections 16252 and 16253 paragraph 2.4

23) Q: Can Government provide length of server motor strokes for each unit?

A: RB Russell: Units 1-4 = 28.15 inches / Units 5-8 = 27 inches

Hartwell: This info is from manufactures O&M manuals:
Units 1-4: 21.875" Unit 5: 28.9"

24) Q: Can more than one unit be removed at any one time?

A: No, one at a time.

25) Q: How many copies or proposal does Government want? (none in specs)

A: Original and one (1) copy, see SF 33, block 9.

26) Q: Can the pricing data be submitted in separate envelopes or may they be incorporated in the technical offer?

A: Bidders must submit Sections B and K to include any descriptive literature in one envelope.

27) Q: Is a performance bond required on this project?

A: No.

28) Q: How much remediation must be done on asbestos wires after the contractor has handled them?

A: Only have to remove asbestos wires. See Section 02080 Asbestos Abatement Work for specific requirements.

29) Q: Can we have some boundary for demolition for basis of the bidding?

A: Determined by the contractor's proposed system. All items and parts no longer needed shall be removed and disposed of in accordance with the specifications. See revised Section 16252 paragraph 1.1.4 and revised Section 16253 paragraph 1.1.5.

30) Q: What other contractors will be working?

A: Successful bidder should anticipate other contractors being onsite through duration of contract. Potential contracts in next two years at Russell: install SF6 unit breakers, install static pump start, install exciters. Potential contracts in next two years at Hartwell: install SF6 switchyard breakers, install SF6 fifth unit breaker, install exciters, weld repair and painting of spillway gates

31) Q: Safety Rep. required to be a dedicated individual, and senior electrician can be a working electrician or not?

A: The safety representative must be qualified to perform the work and shall be present at the site during periods of work. He/she may have other duties and responsibilities, in addition to Safety, but shall not be assigned to more than one site at any given time (i.e. the Safety Rep. for Russell shall not concurrently be the Safety Rep. for Hartwell). See revised Section 01101 paragraph 1.8.3.a. There are no restrictions preventing a senior electrician from performing electrician (hands-on) work.

32) Q: Based upon the discussions at the site visit there are no existing CAD files or Sepias for the contract drawings. If this is so, the only way that the contractor can as-build the contract drawings is to start from scratch and reproduce the contract drawings required to reflect the changes made. Please confirm that this is or is not a deliverable requirement on this contract.

A: The contract drawings have been put into CAD (MicroStation V.7) format and will be provided to the successful bidder after award of the contract. Complete As-Built records are required per SECTION 01307.